Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.27

LIBRARY
RECEIVED
JAN 1 1922
U. S. Department of Agriculture.

COLE'S

1922

GARDEN ANNUAL

Cole's

Seed

Store

PELLA IOWA

LAWN AND GARDEN FERTILIZER

For small Garden, Lawns, and Berry patches, it is often very hard to secure any good well rotted manure and fresh strawy manure cannot be used for that purpose.

So we offer the Commercial Fertilizer which comes handy to use for that purpose, is clean, no weeds and comparatively cheap.

This is suited for all kinds of Flowers, Vegetables and Lawns, being a high grade complete fertilizer, just what is needed in small plots to make plants thrifty.

FEED YOUR LAWNS

Lawn Grass is a voracious feeder and must have the elements necessary to its growth. That is why you see so many brown, weedy and patchy lawns; they are starving.

Now if your lawn is in fair condition, all you need to do is rake off the dead leaves and grass early in spring and scatter broadcast over the surface Lawn Fertilizer with a little Evergreen Lawn Grass Seed over the thin spots and rake in and the work is done.

DIRECTIONS: For lawns, make first application in early spring when frost is out of ground, distribute evenly about 25 lbs. of fertilizer to every 1,000 square feet of lawn. In seeding down a new lawn, scatter double that amount, 50 lbs., of fertilizer on every 1,000 square feet, rake in thoroughly, then sow seed and rake again.

For gardens and berries the same amount, 25 lbs. to 1,000 square feet, can be used, or if the ground is thin, use more. This can be put on before spading or raked in afterwards.

Price 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. $1.50, bag 125 lbs. $5.00

POTATO FERTILIZER

BIG CROP 2-10-4 Fertilizer is best adapted for raising potatoes. It is used at the rate of 600 to 1,000 lbs. per acre and distributed in the furrow and well mixed with the soil before planting the seed.

Price 25 lbs. $1.50, 50 lbs. $2.50, bag 125 lbs. $5.00.

6 BEST SPENCER SWEET PEAS

A collection of six best Sweet Peas would be welcome by those having a small garden, so we take pleasure in offering the following six varieties:

White—King White.
Lavender—F. Nightingale.
Deep Pink—Countess Spencer.
Crimson—King Edward VII.
Red Orange—Thos. Stevenson.
Maroon—Othello.

Price, 25 cts.

SLUG SHOT

Few people are aware that Slug Shot is one of the best insecticides for small gardens.

It kills cabbage worms absolutely; can be used without any danger.

Also for melon bugs, rose and currant worms. Thrown around plants is a protection against cut worms.

See page 78 for prices.

To Our Customers and Friends

In presenting this our New Garden Annual for the year 1922, you will find it an honest and straightforward guide to larger and better crops for the garden and farm. Our main efforts are directed to obtain these results for our customers, in the Choice Assortment of Seed we offer.

We wish to thank you sincerely for the many kind orders sent us the past season and we hope for a continuance of your valued favors, which will have our careful and personal attention.

Prices for 1922 are lower all along the line in seeds to meet the deflation in farm products and the 5 ct. packet contains an increased number of seeds in both vegetable and flowers.

Plant a good vegetable garden — vegetables are the basic food of life. Seeds are cheap and it will surprise hundreds of people, as to the possibilities of a piece of ground what it will produce in supplies for the family table. The home gardener will have plenty of excellent and healthy food at a nominal cost. Such seeds like Beans, Beets, Sweet Corn, Lettuce, Spinach, Radishes and Peas can be planted in succession if you have enough space and like to keep up a supply for the season.

Price of farm products have about touched bottom, it appears they never have been so low on some items, but we can confidently look to a slowly rising market after this and it is to be hoped that brighter things are in store for the farmer for the year 1922. He has stood the brunt of the deflation and next comes the business man who had his share also, this can readily be seen by the many business failures every week for the last year, among which are many Seed Houses.

We are offering in seeds the best that our wide experience can procure. We select and offer only the best of the standard varieties, and we hope you will come to us for whatever you require in seeds and information as to growing them.

Our motto is "satisfaction to everyone," so if customers have any cause for complaint we hope they will notify us at once.

We like to have our Catalogue in the hands of every person that expects to buy seeds. We will appreciate the courtesy if our customers will send the addresses of their neighbors that may want good tested seeds, and will return the favor by sending some extra packets of seeds.

We can assure our customers that we will use our best efforts to furnish them with the choicest Seeds that can be grown. We know that planters of Seeds buy them entirely on confidence and we try to hold the confidence of our patrons, by furnishing them reliable pedigree Seeds. If you have never used our Seeds, **try them this year.** Good Seeds like drugs require knowledge and care to handle them.

SEED CROPS The seed harvest was not heavy this past season, but a good normal crop was produced of most items of Garden Seeds.
Farm Seeds have yielded a heavier crop of good quality and prices will be normal.

TESTED SEEDS Our Seeds are all tested as to vitality, and none is sent out from our establishment until we are satisfied that they are absolutely of the best quality and of the highest germinating power, and are certain to grow under favorable conditions and planted at the right time. With bad weather and careless planting the very best Seeds may fail to grow and no seedsman is to blame for this. If any fail to grow when properly tested, we stand ready to replace the same or give value in other Seeds.

WARRANTY Failure of Seeds to produce a good crop is dependent upon so many causes, as every experienced cultivator well knows, that the utmost care with the seeds and planting cannot control it, and the maturing of a crop also sometimes fails from causes that no human power can control. We know that the seeds we offer are unsurpassed in quality, yet with our practical experience of many years as growers we find that crops sometimes fail no matter how good the seed. Hence to guarantee seed to invariably produce a perfect crop would be sheer folly. Under all these circumstances, while we exercise the greatest care to have all seed pure and reliable we give no warranty express or implied as to description, quality, productiveness, or any other matter of any seeds or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

MARKET GARDENERS AND DEALERS who buy seeds in bulk and in large quantities are requested to send for our Wholesale Price List.

OUR RESPONSIBILITY As this Catalogue will go into the hands of many who have never dealt with us, we kindly ask for a trial from you, which shall have our best attention. As to our standing, we refer you to the Pella National Bank, to the Postmaster, or to the Express Agent.

In conclusion we tender you our thanks for past favors. We shall be much pleased to hear from you in 1922.

With best wishes for the New Year, we are,

Sincerely yours,

COLE'S SEED STORE

PELLA, IOWA, January 1, 1922

SUGGESTIONS TO BUYERS

HOW TO ORDER.—Always use order sheet and printed envelope sent with each **Catalogue.** Write plainly; keep a copy of your order. Do not order C. O. D. as it is an unnecessary expense to customers, as cost of collecting is added to all bills.

REMITTING MONEY.—Cash should always accompany the order. Remittances may be made at our risk by either of the following methods: (1) **Postoffice Money Orders;** (2) **Express Companies' Money Orders;** (3) **Draft on New York or Chicago;** (4) **Registered Letters.** Money sent by either method is absolutely safe, and will cost from three to fifteen cents. When not convenient to make remittances by the above methods, by farmers living on Rural Routes, local checks will be accepted in payment.

STAMPS received same as cash for small orders, or when notes are not obtainable, and they must be **clean** and in **good condition,** but will not be responsible for sums of **One Dollar** or over sent in this manner. Send only the 2c, 5c, and 10c stamps.

PARCEL POST.—Under the Parcel Post rates, to avoid confusion and misunderstanding with our customers, we send seeds in packets, ounces, quarter pounds, pounds and half pints, by mail prepaid to any part of the United States and Canada.

For the nearby points in the 2nd and 3rd zones, on heavy packages, in 5 and 10 lb. lots, or for ½ pk. or peck of Beans, Corn and Peas, we can send these prepaid by mail at a saving over express rates if preferred.

For the 2nd zone it will cost from 10 to 20 cts., for the 3rd zone from 15 to 35 cts., according to weight.

If customers will remit this additional sum above the amount of the order we can send the seeds by mail prepaid, otherwise we have to send by express at their expense.

For the farther zones it will come cheaper to have them sent by express.

Your postmaster can inform you in what zone you are located from Pella.

SHIPPING INSTRUCTIONS.—When goods are to be shipped by **Freight or Express** give plain shipping directions; otherwise we use our best judgment in regard to the matter.

PREPAID RAILROAD STATIONS.—Customers who live at such points where there is no agent should send enough money to prepay freight charges, when too much is sent will return balance. Else will have to send to nearest station where there is an agent.

NAME AND ADDRESS.—In sending an order please be particular in giving **Name, Postoffice, County and State,** in full, **distinctly written.** We are often in receipt of orders from customers who not only forget to sign their names, but also their place of residence, thus causing a delay of weeks in the execution of their orders. Write your orders plainly, separate from the body of the letter.

SAFE ARRIVAL OF PACKAGES.—We guarantee the safe arrival of packages of seeds and bulbs, in good condition in every case. If the package is injured or lost we will replace it as soon as informed of the fact. Sometimes it happens that orders never reach us. When customers fail to receive their seeds or bulbs in a reasonable time, they should inform us, and at the same time send a duplicate copy of their order, which can be filled at once, and save much delay.

MISTAKES.—We take utmost care in filling orders, still errors will happen in spite of all care. Write us at once with a copy of the original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

CHANGE OF ADDRESS.—If you have changed, or intend to change your address, please let us know, so that we may change it on our books.

ORDER EARLY.—It would greatly facilitate shipment if our customers would send in as many orders as possible during the month of February, because our stock is then complete and ready for mailing, and you will be sure to get what you send for; and what is more important to you, the seeds will be at hand for planting just when you want them.

DISCOUNTS.—At the low price Garden and Flower Seeds are sold at we have to omit the usual discount we have allowed on seeds in packets. Seeds are still sold at practically pre-war prices and no profiteering has been done, as in most other lines of products.

FREE NOVELTIES.—See Page Three for the Novelties that we give to customers who send us an order for Seeds, amounting to 50c. or $1.00 and over.

As we have done in former years, will continue to put up thousands of packets of seeds, of which we have a small surplus, for free distribution to our customers who order seeds from us.

ADDRESS all correspondence, and make **all P. O. and Express Money Orders** payable to

COLE'S SEED STORE **PELLA, IOWA**

New Tomato

Albino or White Beauty

This most unique variety comes highly recommended by the introducers and is worthy of a trial. The Albino is not only desirable on account of the novelty of the white ivory color, but also on account of the excellent qualities. It contains absolutely no acid and so will make tomatoes agreeable to people who cannot eat ordinary red tomatoes on account of the acidity they contain.

White Beauty shows no trace of red, the flesh is almost paper white. It grows about as large as the Stone and is firm and solid, bears fruit for a long time and in clusters of three to five, with few seeds. Ripens medium early. Fine to grow for exhibition with red and yellow varieties. Seed is scarce and high priced.

Price per pkt. 15 cts. 2 pkts. 25 cts.

With an order for seeds to the amount of $1.00 or over will send a trial pkt. free of Albino Tomato.

Squash, Table Queen

This fine little Squash comes highly recommended, but unfortunately it goes under two different names, "Table Queen" and "Des Moines."

Just the right size, averaging about 6 to 8 inches long and 4 to 6 inches thick. The vines are vigorous and reproductive and a few vines will supply a family. The shell is hard and smooth, they keep as well as Hubbard. The color is dark green with sometimes a red blotch. Cut in half, take out seed and bake for twenty minutes, it will give you a delicious meal, and if you like pie, try one from Table Queen, they are splendid.

Price per pkt. 10 cts. 2 pkts. 15cts. oz. 20 cts. 1/4 lb. 60cts.

With an order for 50 cts. or over for seeds will send a trial pkt. free of Table Queen Squash.

Winter Water Melon

A New Long Keeping Melon

The introducers say: This variety will give you Sweet Luscious Water Melons for your Thanksgiving dinner from your own garden.

The fruits are medium size, round, pale yellow when ripening. Flesh bright red Crystalline, sweet as honey. Seeds very small and black. Take fruits from field before frost and store in cool cellar, they will keep in perfect condition at least two months. This is not a Citron Melon.

Price per pkt. 10 cets. 2 pkts. 15 cts. oz. 25 cts.

With an order for 50 cts. or over for seed will send a trial pkt. free of the Winter Water Melon.

Japanese Hulless Pop Corn

A dwarf growing variety, heavy yielder, ears short and chunky. Kernels pointed and slim and pearly white in color. Of the finest popping quality, fine flavor, and absence of hull or shell; most tender and delicious when popped. It is largely planted for market and commands the highest price. Per pkt. 10 cts., ½ pt. 25 cts., 2 for 40 cts., postpaid; by express, ½ pk. $1.50, pk. $2.75.

New Lily "Regale"

(Myriophyllum)

A new and very rare Lily from North-West China. The flowers are white shading to yellow in center, with pink tinge on the outer edges.

They are delightfully fragrant with a Jasmine scent. This variety is absolutely hardy and will do well in almost any soil or climatic conditions. A strong grower, some 3 to 4 feet high. It is also an excellent variety for forcing and will bloom profusely indoors where ordinary lilies thrive.

Price each $1.00; 3 for $2.50.

Tested Vegetable Seeds

In this department we aim to list all the good **Standard Varieties of Vegetables**, and many novelties of recent introduction. Every new and promising variety sent out is tested on our grounds, to learn their merits before offered to our customers. Our packets are well filled with fresh seed. We pay the postage at these prices, except by the ½ peck, peck, and bushel, or special prices on 5, 10, and 100 lb. lots.

ASPARAGUS

Ger. *Spargel.* Fr. *Asperge.*

One ounce will sow fifty feet of drill.

Sow in March or April, in rich soil. Soak the seed in warm water for 24 hours. Drill it thinly in rows 1 foot apart. When 1 year old transplant into permanent beds, which should be well and deeply manured. Set out the plants eighteen inches apart each way and six inches deep in sandy soil, and four inches deep in heavy soil, but only put on 2 or 3 inches at the time of planting and later gradually fill up bed. On approach of winter clear off the bed and cover with a dressing of manure or compost; fork up the beds early in the spring, and apply a dressing of salt annually to the bed, after the season of cutting — which is not only beneficial to the plants, but will keep the bed clear of weeds. A new bed should not be cut over before the third year.

THE PALMETTO. One of the largest and finest varieties. Stalks frequently measure two inches in diameter, and twelve inches long, perfectly tender when cooked. Per pkt. 4 cts., oz. 8 cts., ¼ lb. 15 cts., lb. 60 cts.

COLUMBIAN MAMMOTH WHITE. A new variety which is sure to be in great demand because it produces white shoots which stay white as long as fit for use. It gives about 80 per cent of white plants from seeds; the other can be rejected before transplanting. It produces large, tender shoots, equal to any other variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 75 cts.

A 5c packet of Asparagus Seed, if sown early in spring, will give you all the plants you need for a bed; select the strongest plants and transplant the following spring. This is the cheapest way to start a bed. You will have fresh plants to put out and not dried up roots.

ASPARAGUS—BONVALLET'S GIANT

A novelty of which the introducer says: This variety *is* the quickest yielding, heaviest producing, finest quality, and most disease-resisting of any variety now sold in America. Most of the large growers of Asparagus around Chicago are now discarding all other varieties for Bonvallet's, because it is free from disease, grows larger and faster than the other varieties. Its favorable points are rust resistant, earliness, high productive power and lasting qualities.

Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

WHITE TEPARY DWARF BEAN

A New Bean from the Southwest that may revolutionize the Bean growing industry. A drouth resisting Bean raised by the Indians of Arizona, they have been growing them for hundreds of years without irrigation with an annual rainfall of about nine inches.

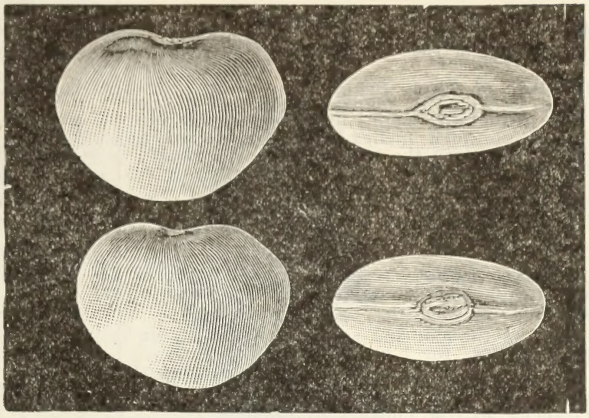
Tepary Beans will make a fair crop in seventy-five days and a good crop if they have ninety days. If it is struck by a drouth it will ripen the pods already set and when drouth breaks it will set and ripen a new crop.

Under ordinary dry farming conditions they yield from 500 to 700 lbs. per acre. The beans are white, cook well, have a delicious flavor.

Professor Clothier of the University of Arizona, says: After three years experimenting with the Tepary Bean I am prepared to say it is one of the most wonderful plants ever presented to the dry farming public. It is worthy of a trial by every one to try it out in different localities where it is dry and warm.

Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express, ½ pk. $1.25, pk. $2.25.

FORDHOOK BUSH LIMA BEAN



The Fordhook Bush Lima is altogether unique, being an improved erect bush form of the popular "Potato Lima." Mr. Burpee, the introducer, says: Nothing like it has ever been seen before. Of strong, erect, true bush like growth (never prostrate or running), the bushes average 20 to 30 inches in height by 20 to 24 inches across the top. The foliage is of heavy texture and very dark green in color.

The stalks that produce the blossoms are thrown out from the lateral and main stalk; the pods are borne in "clusters" of from four to eight. The pods resemble those of the Dreers Bush Lima, but average more than double the size, measuring from four to five inches long, about one and a quarter inches wide. The pods contain three to five large beans with an average of four. In the illustration you will note the extreme size and thickness of the beans. Per pkt. 10 cts., 2 pkts. 15 cts., ½ pt. 25 cts., 2 for 40 cts., postpaid; by express, ½ pk. $2.00.

Burpee's Bush Lima

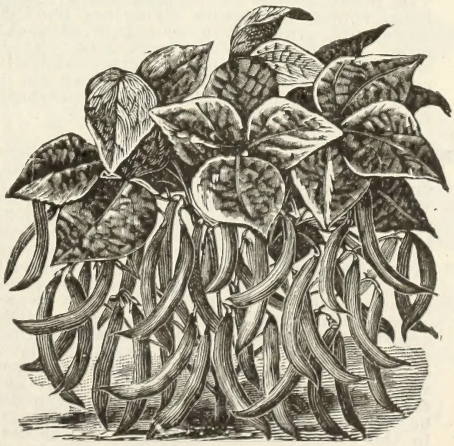
This variety is universally conceded to be altogether unique. It is the first and only true bush form of the luscious large Lima Bean. The bushes grow eighteen to twenty inches high, of stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent bush. It is an immense yielder, each bush bearing from 50 to 200 of the handsome large pods, well filled with very large beans. Plant when soil becomes warm, in rows 2 feet apart and fully 12 inches between the plants. Pinch out the top when about one foot high which will cause plants to branch more. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts. postpaid, by freight or express, ½ pk. $1.75, pk. $3.25.

Henderson Bush Lima

This Bush Lima grows in compact bush form, from 15 to 18 inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans. It is at least two weeks earlier than any of the climbing Limas, and produces continuous crop from the time it comes into bearing until frost, and being enormously productive, a very small patch will keep a family supplied with this splendid vegetable throughout the season. The beans are of the size of the Small Lima, and of the same delicious quality as the Pole Lima. A fine variety for market gardeners. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by freight or express ½ pk. $1.50, pk. $2.75.

Giant Stringless Green Pod Bean

This new Giant Podded Bean comes highly recommended. It is a seedling from the well known Red Valentine. It is claimed by the introducer that it is ready for the market with a more prolific crop of pods a week earlier than this variety. The pods are one-third larger, averaging five to six inches in length. They are always absolutely stringless, round, full and fleshy. It is very prolific, and surpasses other varieties in crispness and flavor. No market or family gardener can afford to miss planting this fine new variety. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by freight or express ½ pk. $1.75 pk. $3.00.



Giant Stringless Green Pod Bean

BEANS, Dwarf or Bush

Ger. *Bohne.* Fr. *Haricot.*

One quart will plant one hundred feet of drill.

DWARF, or Bush Beans, require no support, and may be planted in hills or drills, the latter way being preferred. Make the drills eighteen inches apart, two inches deep, and drop the beans four inches apart in the seed drill. Keep clear of weeds, hoeing when dry. Beans are tender annuals, and cannot be safely planted till danger from frost is past. Plant every two weeks for a succession.

PARCEL POST. If customers want their bulk Beans sent prepaid, remit us the following amount extra:

For the 1st and 2nd zones from Pella, for ½ pk. 12 cts., for 1 pk. 20 cts.

For the 3rd zone, for ½ pk. 20 cts, for 1 pk. 35 cts. For larger quantity or longer distances, will be cheaper by express.

Wax-Podded Varieties

IMPROVED EARLY GOLDEN WAX. A great improvement on the popular old Golden Wax Bean. Early, the pods are long, brittle, entirely stringless, and of golden wax color. As a snap bean it excels nearly every other variety in tenderness and rich buttery flavor, while as a shell bean it has no superiors. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.60, pk. $3.00.

EARLY PROLIFIC BLACK WAX. A popular variety wherever known; the pods waxy yellow, solid, tender, and almost transparent, stringless. Very early and productive. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.60, pk. $3.00

ROUND POD KIDNEY WAX. This new variety is a selection from the famous Wardwell's Kidney Wax Bean, and possesses the same excellent market and shipping qualities of this popular variety. As its name indicates, its pods are round instead of flat. The plant grows strong and sturdy, with long, round, handsome stringless pods of large size, very solid and full of meat, crisp, brittle, and free from rust. It is wonderfully early and productive, and will become a very popular variety. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid. By freight or express, ½ pk. $1.75.

HODSON WAX. This distinct type of bean is remarkable for its great size of plant and pod and wonderful productiveness. It will outyield any other bush bean. A very sturdy grower, and so far it has proven to be entirely free from rust and blight. Comes about two weeks later than the earliest dwarf beans. Plants are loaded with long, handsome, stragiht pods, averaging seven inches in length, and of a waxy cream-yellow. When picked young they are stringless, when fully mature they have a slight string. It is distinctly a market gardener's bean, as a main crop variety, on account of its great vigor and freedom from diseases. The plant should be at least thinned out to 6 inches apart in the row. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.50, pk. $3.00.

Improved Early Red Valentine Bean

Green-Podded Varieties

IMPROVED EARLY RED VALENTINE. Round Pod Strain. Early productive, tender, succulent, and of excellent flavor, continuing longer in the green state than most of the varieties. This variety is often marketable in six weeks from the time of sowing in May. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.50, pk. $3.00.

EARLY REFUGEE. The old Refugee Bean is so well and favorably known that this new variety will be quickly appreciated. It is similar in every respect to the ordinary Refugee but it is nearly two weeks earlier. It is enormously prolific, and is almost certain to produce a crop, no matter how unfavorable the season. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; ½ pk. $1.50, pk. $3.00.

PROLIFIC TREE. This valuable variety for field culture is the most prolific bean yet known, growing 18 to 24 inches high, branching out in all directions. They yield from 40 to 50 bushels per acre. Plant in rows 3 feet apart, one bean in a hill, 20 inches apart. Four quarts are sufficient for an acre. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid; by express or freight, ½ pk. $1.00, pk. $1.75, bu. $6.00.

IMPROVED WHITE NAVY. This variety can profitably grow to a much greater extent than is now done as it is of easy culture, and one that certainly pays better than most field crops. It ripens early, before any danger from frost in northern bean growing latitudes, and often yields sixty fold with ordinary field culture. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid; by express or freight, ½ pk. $1.00, pk. $1.75, bu. $6.00.

SURE CROP STRINGLESS WAX. An extra early, perfectly stringless Wax Bean. A most prolific cropper, plants hardy, blight and rust resistant to a great extent. The handsome, rich yellow pods average six to seven inches long, almost round, ½ inch wide, very meaty and sweet. The habit of the plant is branching, but sturdy and upright, every branch carrying a heavy crop of the magnificent pods. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.75, pk. $3.00.

BURPEE'S STRINGLESS GREEN POD BEANS

This remarkable variety has proved all the introducer claims for it. It surpasses all others in crisp, tender flavor. The illustration herewith shows the width and thickness of the beautiful, straight, green pods taken from nature. When we add that the pods are ready to market EARLIER than the best stock of the Early Yellow Six Weeks which, as all know is valuable only for its extra earliness, being of inferior quality, we are sure that the Stringless Green Pod will supply a long-felt want. It must prove of immense value not only to the market gardener who wants to make more money but also to the amateur who seeks a rare quality early for the home table.

Price per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.50, pk. $3.00.

MICHIGAN WHITE WAX DWARF BEAN

Of this new variety the introducer says: This sterling variety is already generally recognized as a bean possessed of exceptionally valuable features. Briefly described it is a white seeded Golden Wax; pods golden yellow and are fully as attractive as the Golden Wax and of the same fine quality. Pods comparatively broad, meaty and of superior quality. Vine vigorous and unusually productive. Seed is clear white, a most valuable feature, as there is a constant demand for a white wax bean of good quality.

Price per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $1.50, pk. $3.00.

BEANS, Pole or Running

Ger. *Strangen Bonen.* Fr. *Hericota a rames.*
One quart will plant 100 to 160 hills.

These are more tender and require rather more care in culture than the bush beans, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart; plant six to eight beans with the eyes downward, in each hill, about two inches deep, leaving a space in the center for the pole. Limas will not grow until the weather and ground are warm; if planted before they are apt to rot in the ground.

EARLY LEVIATHAN LIMA. The earliest variety of pole lima; one week earlier than any other sort. Produces pods in clusters of 5 to 10 in a cluster. Of superior quality, immense size, vigorous and wonderfully productive. It will prove a boon to many growers especially in the north where seasons are short, where this delicious vegetable is denied to many on account of early frosts. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

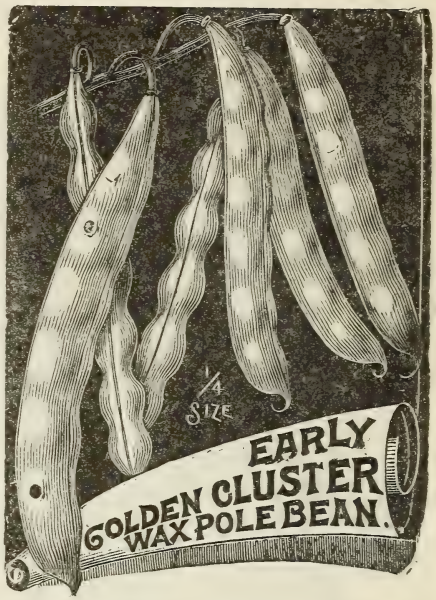
KING OF THE GARDEN LIMA. Finest stock for market gardeners. A vigorous grower, requiring but two vines to each pole. When not closely planted, they set their pods early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. The pods are of enormous size, many specimens measuring from 5 to 8 inches and producing up to 7 beans to the pod, all perfectly formed and of superior quality. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

LAZY WIFE'S. This valuable bean has become a great favorite wherever introduced. The pods grow long, entirely stringless, and of a rich buttery flavor when cooked. The pods remain green and retain their tender, rich flavor until nearly ripe. The beans are white, and are unsurpassed as a shell bean. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

OLD HOMESTEAD. This variety comes highly recommended very early. It is enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless, and the pods are a silvery green color. The pods, though large, cook tender and melting, and we can recommend it as one of the best green Pole Beans. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

WHITE CREASEBACK, or BEST OF ALL. This variety cannot be praised too highly. It is exceedingly productive, the long pods being produced all over the vines in clusters of from four to twelve. The pods are perfectly stringless, very fleshy, and as string beans are of superb quality. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

CUT SHORT, or CORN HILL. An old variety, very popular for planting among corn, and it will give a good crop without the use of poles; vines medium, pods short, cylindrical and tender; beans nearly oblong, cut off diagonally at the ends, white, covered at one end with reddish brown dots. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.



EARLY GOLDEN CLUSTER WAX. This variety is claimed to be the finest Pole Bean in cultivation. The pods retain their tenderness and plumpness long after the beans have attained a large size. The pods are a beautiful golden yellow, and are from six to eight inches long, borne profusely in clusters of 4 to 6. Its cooking qualities are excellent. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

WHITE DUTCH CASEKNIFE. This is one of the earliest sorts. Pods long and flat, beans white, flat, kidney-shaped, and of excellent flavor; used for snaps or shelled; good green or dry and abundant bearer, and well adapted for winter use. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

HORTICULTURAL, or SPECKLED CRANBERRY. An old and popular variety. Pods long and broad, pale green, dashed with red. Green beans, large egg-shaped and of the highest quality; the dry beans are very superior for baking or stewing. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by freight, ½ pk. $2.00.

BURGER'S STRINGLESS GREEN POD. By some called White Seeded Kentucky Wonder. This early bean is a splendid sort, of fine quality and entirely stringless; long bearing vines. The pods are borne in clusters, six to eight inches in length, are uniformly straight, of rich dark green color and very meaty and tender in flavor. The dry beans are pearly white and fine for baking. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express or freight, ½ pk. $2.00.

YARD LONG, or CUBAN ASPARAGUS BEAN. This is quite a curiosity. It is a pole bean with dark green foliage, and pods growing two feet and upward in length. The pods of such extraordinary length, are produced very abundantly. Per pkt. 5 cts., ½ pt. 50 cts.

New Beet

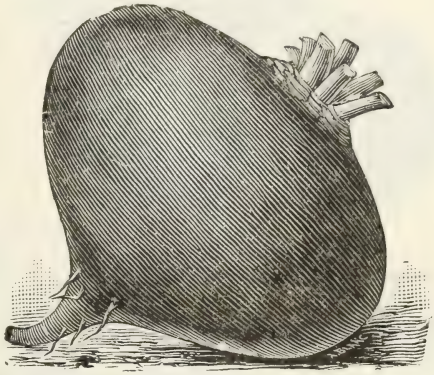
The Fireball

Mr. Vaughan, the introducer, says: This new beet is perfectly globe shaped, extra early in season and earlier than Crosby's. The skin is smooth, the flesh is solid with a very sweet flavor, and of a bright intense red color. The top root is tiny and the leaf stalks are quite small, making it valuable for early and late sowing in frames. It is also very desirable in the open ground where it retains its fresh table qualities better than most beets. In home gardens it is absolutely without a superior. We believe this variety will prove one of the most popular beets introduced in years. Price per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

Early Model Beet

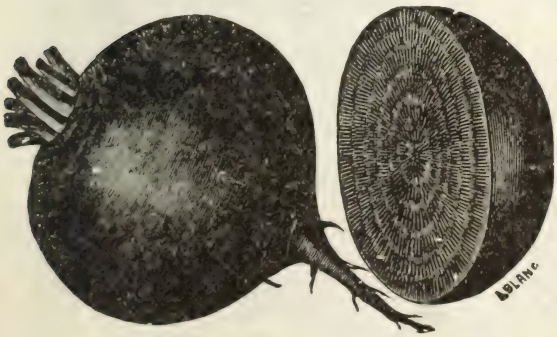
This splendid variety has attained perfection for table use. This is indeed a model variety, and will be highly appreciated both for forcing and growing outside. It is a medium early variety. The roots are of good size and run uniformly perfect, almost round, with small dark crimson leaves, and a slim tap root. In quality and color it is peerless, very fine grained, tender and sweet, never woody or stringy. Color of flesh deep rich blood crimson, equalling that of the best long Beets.

Price per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.



Have had good results from your seeds in the past, so have induced my neighbors to order from you this year, as you will notice from the many orders you receive from our place.—Mrs. M. H. Nolan, Frontier County, Nebraska.

CRIMSON GLOBE BEET



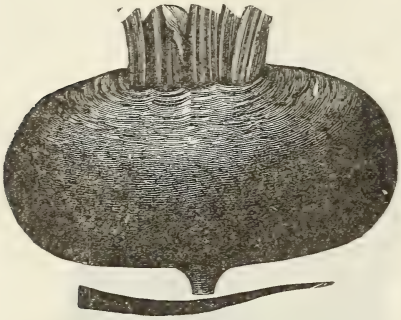
This is a most valuable introduction. It is a very early variety, skin smooth and it is as handsome a beet as you can find. The root is not large, averaging about 3 inches in diameter. The leaves are quite small with slender stems. There is no variety where richness of color in both top and roots is so beautifully combined as in this sort. Color of flesh rich deep red shading to purple, is fine grained and flavor cannot be surpassed. Judges appear to be unanimous as to its excellent quality and as a superior market beet. Price per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

BEET

Ger. *Runkle Rube.* Fr. *Betterave.*

One ounce will sow 50 feet of drill

The soil which is best suited for the culture of the beet is that which is rather light, provided that it is thoroughly enriched with manure. For an early supply sow in spring, as soon as the ground becomes fit to work; about the middle of May for general crop, in drills eighteen inches apart and one and a half inches deep. As the plants grow, thin four to six inches in the drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water for twenty-four hours before sowing; keep free from weeds by hand weeding or hoeing. In October the roots may be taken up and stored in cellar or put in pits outside like potatoes, care being taken that they are not bruised or injured in the process. From four to six pounds will sow an acre.



Crosby's Improved Egyptian Beet

CROSBY'S IMPROVED EGYPTIAN. The earliest Beet in the market. A selection from Early Egyptian, retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape; it is the deepest red, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. The most desirable sort for small beets for early market. A great favorite among market gardeners. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

DARK RED EGYPTIAN TURNIP. The old standard sort, being from ten to twelve days earlier than the Blood Turnip. The roots are large in size, and of a rich, deep crimson color. From the smallness of the tops more can be grown on the same space than any other variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

ECLIPSE. This variety is nearly as early as the Egyptian. Grows very smooth, short top, sweet and tender, red flesh. Its earliness, and heavy cropping qualities, will recommend it to all market gardeners. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

DETROIT DARK RED. A grand Beet for bunching for market. Top small and upright, admitting of close planting. Roots are perfect turnip shaped with small tap root; skin dark blood red, flesh deep blood red, zoned with a lighter shade, tender and sweet, remaining so long after many sorts become woody. A fine market gardener's beet. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

Market Gardeners' Beet

MARKET GARDENERS'. This variety is an ideal "Market Gardeners' Beet," with small tap root and but few fibrous roots; color deep blood-red. When cooked they are dark red, fine grained and unsurpassed in quality. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with other varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

COLUMBIA. The roots are of a neat turnip-shape, with smooth skin and deep blood-red flesh, of rich, tender quality. It is ready to use very early, growing as quickly as does the Egyptian, while it does not become coarse and stringy. In habit of growth it is remarkably thoroughbred, the foliage being small, neat, and of a rich bronze color. We are sure that market gardeners will find it a splendid variety, while its fine flavor as a table beet will delight all private planters. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

EARLY BLOOD TURNIP. The standard early sort. Blood-red, turnip-shaped, with small top and tap root; very tender, and good for early use and late keeping. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

LONG SMOOTH DARK BLOOD. A long smooth winter variety, growing to a good size, half out of the ground; color dark blood-red, sweet, tender and keeps well, and is considered the best for winter use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

SWISS CHARD, SPINACH or SEA KALE BEET. This variety is grown for its leaves only; the middle of the leaf is cooked and served in the same way as Asparagus; the other portions of the leaf are used like Spinach. It is grown extensively in many European countries, and considered there indispensable, and should have more extended culture here. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 40 cts., lb. $1.25.

I have just a small garden and am a widow, but cannot resist to send for some of your good seeds. My husband said he could always rely on your seed, when he was living.—Mrs. A. J. Allen, Decatur Co., Iowa.

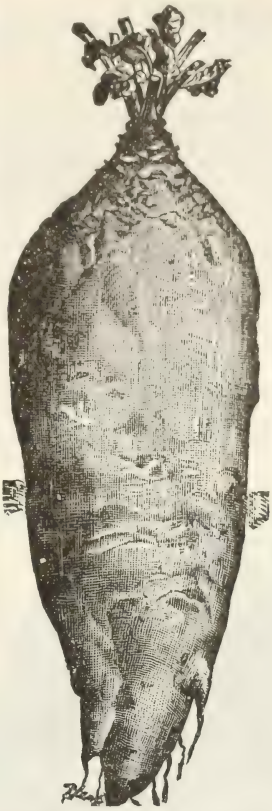
SUGAR BEETS AND MANGEL WURZEL

The following varieties are valuable for stock feeding. We can honestly urge our friends to plant them in quantity; they give immense crops, are easily raised, harvested, and kept through the winter. The results from their use are wonderful, and are clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving in hay and corn. Sow in drills 30 inches apart, on rich, well prepared ground early in spring. Cultivate well and thin to 8 inches in the row. For winter, store in pits or cellar as soon as heavy frost is feared. From four to six pounds will sow an acre.

LANE'S IMPERIAL SUGAR. The most popular beet raised for feeding cows or young stock and contains a greater percentage of sugar than the ordinary variety. From thirty to forty tons have been raised on an acre. Per oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts; not prepaid 5 lbs. $3.00.

GIANT HALF SUGAR. This variety combines best qualities of the Sugar Beet and Mangels. It is a heavy yielder, easily grown and harvested as a crop of mangels. Being much sweeter they are of much higher nutritive value. The roots grow partly out of the ground, they are very large, smooth, clean and of oval shape. The flesh is white, succulent, sweet and unexcelled in feeding qualities. Per oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts., by express, 5 lbs. $3.00.

Golden Tankard Mangel



Mammoth Mangel Wurzel

IMPROVED MAMMOTH LONG RED MANGEL

Also called Norbiton Giant, Collossal and Jumbo Mangel, the heaviest cropping and best long Mangel. This mammoth variety grows to an immense size, single roots weighing 30 to 50 lbs. each, and always of very fine texture and good quality. It has produced from 60 to 75 tons per acre, and is most valuable for stock feeding. Per oz. 5 cts., ¼ lb. 20 cts., lb. 65 cts.; not prepaid, 5 lbs. $2.50, 10 lbs. $4.50.

GIANT SLUDSTRUP. A Danish variety that comes highly recommended and is considered one of the best, has been awarded first-class certificates by the Danish Government. In color it is a reddish yellow, has a long ovoid root, growing more than half above ground, easily harvested. An enormous yielder. Contains a large per cent of sugar, making it of high feeding value. Per oz. 5 cts., ¼ lb. 20 cts., lb. 65 cts., 5 lbs. $2.50, 10 lbs. $4.50.

GOLDEN TANKARD. The best type of intermediate Mangel; small top, smooth, very solid flesh of a deep yellow color, nutritious in milk producing qualities; admits of close culture, and a heavy cropper; 75 tons have been grown on an acre. Per oz. 5 cts., ¼ lb. 20 cts., lb. 65 cts.; not prepaid, 5 lbs., $2.50, 10 lbs. $4.50.

Collection of Mangels

COLLECTION OF MANGELS. One ounce each of the above five varieties for 30 cts., ¼ lb. of each for $1.00, one pound of each for $3.25, postpaid, or the five pounds by express, $2.50.

CARROTS

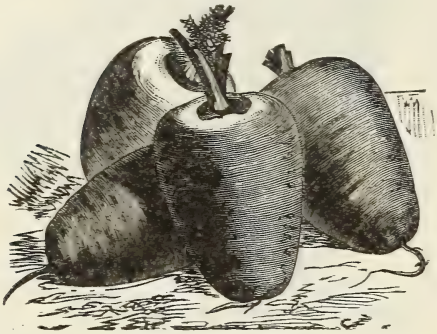
Ger. *Mohren.* Fr. *Carrotte.*

One ounce will sow 150 feet of drill.

The Carrot, like other root crops, delights in a sandy loam, richly tilled. For early crops sow in spring, as soon as the ground is in good working order; for late crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses and cattle, the rows should be two feet apart, so that the crop can be worked by the horse cultivator. As carrot seed is slow to germinate, all precautions must be taken. It takes from two to three pounds to sow an acre.

A treatise entitled "Carrots—How to Grow Them," by mail prepaid for 30 cts.

EARLY SCARLET HORN. One of the earliest varieties; color deep orange, fine grained and agreeably flavored; top small; it is best for the table, and will grow very well on thin soil. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.



Ox-Heart Carrot

OX-HEART or GUERANDE. This variety is one of the most valuable, either for family use or market. It is intermediate between the half long and horn varieties, attaining a diameter of 3 to 4 inches at the neck, good shape and rich orange color. The flesh is fine grained, and has little or no core. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

CHANTENAY, or MODEL. This is of a rich, dark orange color, half-long rooted, has an extra large shoulder, and is easily dug. This stock has been so well bred that the carrots are almost duplicates of each other. It is very productive, smooth, and of fine texture. Medium early, and a very good market carrot. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

Carrots for Stock

THE MASTODON. This is the heaviest cropping Stock Carrot grown, yielded more tons per acre than any other sort. The flesh is white, solid, crisp and very sweet. The roots are short and very heavy at the shoulder. Have yielded 15 to 20 tons per acre. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

LARGE WHITE BELGIAN. A very productive field variety. Grows about one-third out of the ground, and is easily gathered; grown largely for stock. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

Danver's Half-Long Carrot

HALF-LONG DANVERS. A valuable variety, of rich, dark orange color, very smooth, and handsome, in form midway between the Long Orange and the Early Horn, and very productive. Under the best cultivation it has yielded from twenty to thirty tons per acre. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

IMPROVED LONG ORANGE. The standard late variety, handsome and uniform in shape, of large size, and deep orange color. It is a good keeper, of fine quality for table use, and highly nutritious for stock. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

BORECOLE or KALE

Ger. *Blatter-Kohl.* Fr. *Chau Vert.*

The Kales are excellent as greens for winter and spring use. The crown or center of the head cut off so as to include the leaves is the eatable part. They are more hardy than cabbage, and are improved by frost, but the time and manner of sowing and the culture are identical with cabbage.

MOSS CURLED HALF DWARF or SCOTCH. This new and beautiful variety originated in France, where it is fast becoming popular with the gardeners. It is between the dwarf and tall varieties, with yellowish green, finely fringed leaves. It is the handsomest and most ornamental variety we have ever seen and is extremely hardy. Market gardeners try it. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

Borecole

Copenhagen Market Cabbage

This early ball-shaped Cabbage has attracted the attention of the entire trade, and is unrivaled as the most equally maturing and large heading early cabbage in existence.

The heads are round, remarkably solid, of exceptionally fine quality with small cores, with an average weight of about 8 to 10 pounds. It is about a week later in maturing than the Jersey Wakefield.

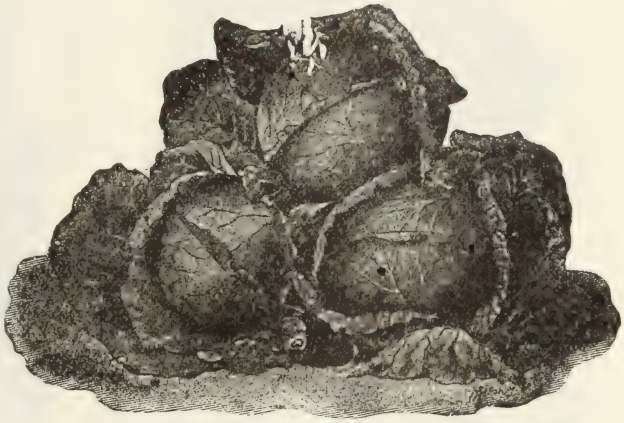
The plant is of vigorous habit but compact, with short ste mand few outer leaves. For its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combines to make Copenhagen Market the most valuable cabbage of recent introduction. It can be recommended both for the home and market gardening trade.

Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

Glory of Enkhousen Cabbage

The originators of this Holland variety say: This cabbage will produce double the crop of any other early variety. In season, it is one of the earliest of the flat head sort, size medium, but very firm and solid, a most desirable sort for home and market use; the flavor is good, the leaves being very fine ribbed. On account of its solidity this variety keeps much longer than the ordinary early kinds. Once known it will hold its own with the market gardeners and home grower alike.

Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00.



Improved Danish Ball Head

Improved Danish Ballhead Cabbage

This variety is also sold under the name of Hollander, German Export and Dutch Winter, and today stands without a peer, as the hardest heading cabbage, longest keeping qualities, and great weight for its size. This variety has been selected and perfected for more than fifty years by the Danish gardeners.

In Denmark and Holland it is grown almost exclusively for winter cabbage, and they annually export large quantities to other countries. It will stand long journeys and keep far into the spring, the heads are of medium size, are very solid and deep, and of a fine white color, making them entirely different from any other strain, and they keep better than any other sort, the heads being just as solid and perfect when taken up in the spring as when they were put away in the fall.

Quality fine, being tender and crisp, with but little waste heart. This will do best if planted a week or ten days earlier than our common drumhead sorts, and on deep, heavy loam, and liberally manured land.

Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00.

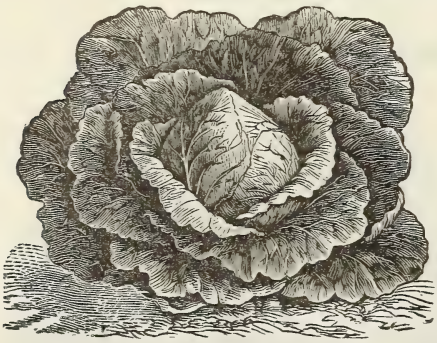
CABBAGE

Ger. *Kopf-Kohl.* Fr. *Chow Pomme.*

One ounce will produce two thousand plants and sow about fifty square feet.

The requirements for a good crop are rich soil, deep plowing, high manuring, good seed and thorough after culture. For early use, sow seed of the early kinds in the hot-bed, or in a box in the house, early in February, and transplant them in the open ground in April, in rows two feet apart and eighteen inches between the plants in a row; or sow in a seed-bed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbabe, sow in April and transplant in May. For late cabbage, sow in May and transplant in June, in rows three feet apart and two feet apart in the row. In transplanting cabbage or cauliflower it is important that the plant is set down to the first leaf; that the stem may not be injured in case of frost; be careful not to cover the heart of the plant. Hoe every week and stir the ground deep. As they advance in growth, draw a little earth to the plants until they begin to head. To prevent splitting or bursting of cabbage, go frequently over the ground and start every cabbage that appears about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent the attacks of cabbage fly on small plants dust thoroughly with plaster, air-slacked lime, or wood ashes freely over the young plants. For the cabbage worm, try "Slug-Shot."

Our Cabbage Seed is grown from high-bred selected stocks, of the best American grown varieties. The purchase of cheap Cabbage Seed is the poorest investment in the world; the failure can never be known until an entire season's labor and outlay are lost.



Early Jersey Wakefield

EARLY JERSEY WAKEFIELD. Many experienced market gardeners consider this the very best "First Early Cabbage." It is certainly deserving of its great popularity, and is grown for market more extensively than any other early cabbage. It has been our aim to have the very finest strain of so important a variety and we can recommend our seed as sure to give satisfaction. It heads up remarkably hard and solid; having few outside leaves the plants can be set close together. The heads are of excellent quality and of large size for so early a cabbage. Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

EXTRA EARLY EXPRESS. This variety is a few days ahead of any other early sort. It has grown a head fit for the market in 80 days from sowing of the seed. Has few outside loose leaves, and almost every plant forms a fine head, and can be planted close together. Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

EARLY WINNINGSTADT. One of the best in cultivation for general use. It comes both early and late; is remarkably solid and hard, even in summer, and keeps well in hot or cold weather. Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00.

Early Spring Cabbage

EARLY SPRING. This variety is a round, flat-headed extra early cabbage, coming in with the Wakefield and yielding more than any other extra early variety. Every head is uniform as if moulded, and remarkably solid even when young. Few and small outside leaves, small veins, fine texture and delicate flavor. Having compact heads, with few outside leaves, can be planted twenty-one inches apart, making over 13,000 to the acre. A most valuable variety to gardeners and private growers. Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

ALL SEASONS or VANDERGAW. Nearly as early and as good as Early Summer, but yielding heads from a third to a half as large again. An excellent variety either for early or fall use; hence its name, "All Seasons." In quality no cabbage can surpass it in sweet, tender and rich flavor. Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00.

I am sending to you my yearly order for seeds. They are the most reliable of any garden seeds that I have ever tried and have always had a fine garden. Wishing you success the coming year.—Mrs. H. F. Oglevie, Mills Co., Iowa.

Charleston, or Large Wakefield Cabbage

CHARLESTON, or LARGE WAKEFIELD. This variety has become a popular market cabbage. It is about a week later than Wakefield, the heads are nearly one-third larger and very solid. It is very compact in growth and so can be planted more close than most varieties. One great advantage with this sort is that it does not burst open when ripe. This sort is grown largely in the south and around large cities for shipping long distances on account of its good keeping qualities, and is one of the best large early sorts on the market. Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

All-Head Early Cabbage

ALL-HEAD EARLY. In this variety we have an excellent second early cabbage, which is not only All-Head, but never fails to head. The great advantage of having an early cabbage that is sure to produce a large, solid crisp head, and one that will answer for an early or late variety, can well be appreciated. Per pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

AUTUMN KING or WORLD BEATER. The Autumn King, is uniformly true to type, and sure to head hard—"solid as a rock." The large, broad heads are very thick, slightly rounded at the top; fine grained and tender—more so than any other large cabbage. Stocks short, foliage compact, dark green. It is a rapid grower, and does not require special culture to develop. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 90 cts.

Surehead Cabbage

SUREHEAD. This variety is unrivaled today, being pronounced by thousands if growers the surest heading and best main crop cabbage. The demand from all parts of America for this famous cabbage is steadily increasing. No other cabbage has elicited so many voluntary expressions of praise. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 90 cts.

PREMIUM FLAT DUTCH. As a variety for the winter market it has no superior, and is more extensively grown than any other. Heads large, bluish green, round, solid, broad and flat on top; they open wide and crisp, are tender and well flavored. One of the very best to keep. With good cultivation on moist, rich ground, ninety-five in a hundred will head up hard and fine. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 90 cts.

VOLGA or STONE HEAD. A variety lately introduced from Russia. It is strong and hardy, invariably producing a crop. The heads are large, round and perfectly solid. Few outside leaves and does not crack. The flesh is firm, tender and white; most desirable for kraut as well as for all other purposes. It is about two weeks earlier in maturing than the other late main sorts. We predict this cabbage will lead all others as a main crop variety when better known. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 90 cts.

MAMMOTH ROCK RED. This is the largest and hardiest heading red cabbage in cultivation. Successful Long Island market gardeners will raise no other kind of red cabbage, for they consider this the best of all. The heads frequently average 12 pounds each, and are very sure croppers. If you want as fine red cabbage as you ever saw, you must sow ROCK RED, for it absolutely leads every other red sort. Pkt. 5 cts., oz. 30 cts., ¼ lb. $1.00.

AMERICAN DRUMHEAD SAVOY. Closely approaching the Cauliflower in delicacy and delicious flavor. The best of all the Savoys for general market or home use. It has a short stump, grown to a large size, is compact and solid, and a good header. Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00.

Your seeds are of the best I have ever seen, or tried. The Notts Excelsior Peas are just fine; I have picked about four bushels off three rows sixty feet long.—F. A. Naylor, Johnson Co., Iowa.

CELERY

Ger. *Selerick.* Fr. *Celerie.*
One ounce will produce 4,000 plants.

This is one of the best, if not the finest, of salad plants. It may be grown in any garden with very little labor. Sow seeds during March or April in hot-bed, or in a box in the house, or in the open ground in moist, rich soil. When sown in open ground it vegetates slowly. When the plants are four to six inches high, transplant in rows three feet apart and six inches apart in the rows. Earth up to blanch three or four times during their growth, taking care that no earth falls in the center of the plant. Take up the plants late in the fall, just before winter sets in, and remove to the cellar and cover with sand or earth, for future use.

An essay on "Celery Culture," by mail prepaid, 40 cts.

WHITE PLUME. Each year adds to the popularity and value of this variety. It requires very little earthing up to blanch it. Its eating qualities are equal to the very best other sorts, being crisp, solid and of a rich nutty flavor. It is a good keeper up to the holiday season, and for early use is more extensively grown for market than any other sort. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 60 cts., lb. $2.00.

GOLDEN SELF-BLANCHING. This fine variety with its rich, golden yellow color, its close habit and compact growth, and the readiness with which it is bleached and rendered marketable, makes it invaluable to the gardener and exceedingly popular with every planter. The entire stalk is solid, crisp, and although not as early, a much better keeper than the White Plume. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $3.00.

SNOW WHITE. The Snow White is a pure white, self-blanching variety, without a rival in purity and color. In vigor of growth, ease of blanching, size, richness of flavor, crispness and purity, it is ideal. It does well where others have failed, and grows solid on all kinds of soil. It keeps better than a great many of the best standard varieties. Single stalks, frequently you will find them to average 2 pounds. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 60 cts., lb. $2.00.

WINTER QUEEN. A most popular and valuable variety of Celery for winter and spring use. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Of vigorous growth, each plant makes a large number of fine stalks, large heart of rich golden yellow, which are broad, thick, heavily ribbed. Stored for winter it is an excellent keeper, and when taken out the blanched stalks are firm and crisp, entirely free from strings, brittle and of sweet flavor. Most highly recommended. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

Giant Pascal Celery

GIANT PASCAL. This late variety of celery is a selection from the Golden Self-Blanching, and adds to the general good qualities of its parent, superior keeping qualities. The stalks are very large, thick, solid, crisp, and of a rich nutty flavor, free from any trace of bitterness; it blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is golden yellow, and very full. For mid-winter and early spring use it cannot be excelled. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

CELERIAC, or TURNIP-ROOTED CELERY. A variety of Celery having turnip-shaped roots, which may be cooked and sliced and used with vinegar, making a most excellent salad. It is more hardy, and may be treated in the same manner as celery. Per pkt. 5 cts., oz. 25 cts.

OLD CELERY SEED. For flavoring soups, pickles, etc. Per oz. 5 cts., ¼ lb. 20 cts., lb. 50 cts.

The seeds I had from you last year turned out to be splendid, and I recommend them to everybody who wants good seed.—Henry Hayes, Ashland Co., Ohio.

PE TSAI OR CHINESE CABBAGE

This vegetable has attracted considerable attention in the last few years among gardeners and those that like green. In appearance it is more like Cos Lettuce than real Cabbage, but to the palate a delicious Cabbage.

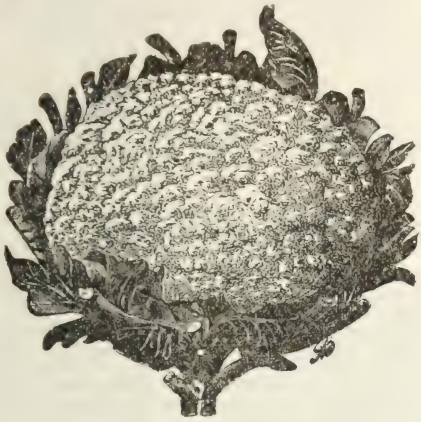
It may be served as a salad with dressing or boiled, minced and seasoned with butter or cream sauce. It is very easily grown and does well in nearly all parts of the country. A little can be sown early and used when ready, but early sown is apt to run to seed. The main crop is sown about turnip sowing time, last of July. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned out to stand about 12 inches apart. For winter use it is taken up before hard frost and cared for the same as cabbage in winter, stored in trenches and covered with straw and dirt to keep out the frost. It is worthy of a trial by everyone. Per pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.

CAULIFLOWER

Ger. *Bluhmen Kohl.* Fr. *Chow Fleur.*

One ounce will produce 2000 plants.

Cauliflower ought to receive a similar treatment to Cabbage, except that it requires an extra rich soil, an occasional application of liquid manure and frequent watering, especially when heading. Early sorts in this latitude are mostly sown in January or February in hot-beds, transplanted once before setting in open ground, and finally transplanted before the middle of April in rich, deeply worked soil, 2 feet by 15 inches apart. Late sorts are sown and cultivated like late cabbage. When heading, tie the top leaves together to protect from exposure to the sun.



Early Snowball Cauliflower

EARLY SNOWBALL. The improved strain that we offer of this variety is the best that is grown, no difference under what name it is offered. Can recommend this highly to market gardeners as one of the best early cauliflowers. Very early and reliable in heading. Of dwarf habit, with very short outer leaves, allowing it to be planted close together. Per pkt. 15 cts., ¼ oz. 60 cts., oz. $2.00.

DANISH GIANT. This variety is also listed as "Dry Weather" Cauliflower. This is a fine, large variety, that produces solid, pure white heads, about a week or ten days later than Snowball. Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce perfect, large, solid heads. So it is especially adapted for growing in localities where all other sorts fail to grow. By use of this strain fine cauliflower can be grown in many dry districts where it has been impossible heretofore to raise this delicious vegetable. Per pkt. 15 cts., ¼ oz. 50 cts., oz. $1.75.

HALF EARLY PARIS. One of the most popular varieties in cultivation; heads very white, compact, of delicious flavor, sure to head and good for an early or late variety. Per pkt. 5 cts., ½ oz. 35 cts., oz. 70 cts.

LENORMAND'S SHORT STEMMED. A superior variety with fine, large, well formed heads. Very early, hardy, and stands dry weather. The curd is very close and uniform, and well protected by leaves, which render it desirable for early and late use. Per pkt. 5 cts., ½ oz. 35 cts., oz. 70 cts.

CRESS or PEPPER GRASS

Ger. *Kress.* Fr. *Cresson.*

A very useful and healthful salad plant; can be used alone or mixed with lettuce or other salads for which it is prized; it is also used for garnishing. Sow early in spring, rather thickly, in shallow drills, one foot apart, in the open ground; for a succession, sow at short intervals throughout the season.

UPLAND CRESS. This is a hardy perennial, thriving on any soil, and is the first to make its appearance in early spring. It grows very rapidly. The young and tender leaves can be eaten raw, or as a salad, or when the leaves become large, boiled as greens. In taste it is very pleasant, having the flavor of the Water Cress, and is agreeable to all. Per pkt. 5 cts., oz. 25 cts.

FINE CURLED. This little salad will bear cutting several times; used mixed with lettuce its leaves impart an agreeable, warm, pungent taste. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

BRUSSELLS SPROUTS

Ger. *Rosen Kohl.* Fr. *Chou de Bruzelles.*

This plant grows two or three feet high and produces from the sides of the stalk numerous little sprouts, one or two inches in diameter, resembling cabbages. The leaves should be broken down in the fall, to give the little cabbages room to grow. They are very tender and sweet after early frost. The small heads are boiled and served in the manner of cabbages. Sow in seed-bed in May, transplant and cultivate like cabbage.

IMPROVED DWARF. One of the best and leading varieties. Per pkt. 5 cts., oz. 20 cts.

CHICORY

Ger. *Chicoric.* Fr. *Chicoree.*

Pursue the manner of cultivation as for carrots. If to be used as a salad, blanch the leaves by covering so as to exclude the light. If raised for its roots, dig about the same time as carrots, wash the roots and then slice them either way, and dry them thoroughly by artificial heat.

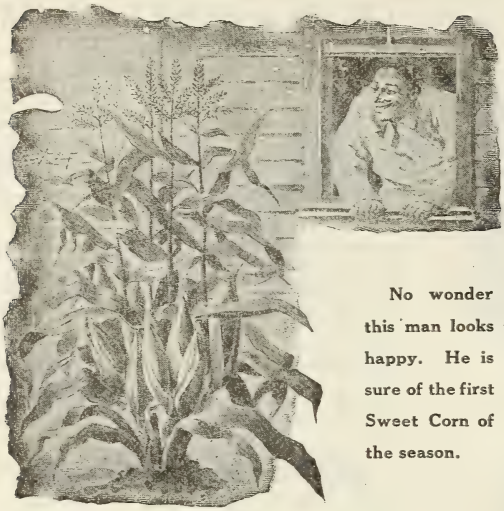
LARGE ROOTED. Use to mix with, or as a substitute for coffee. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

POP CORN

WHITE RICE. The best white variety grown. It bears from three to six ears per stalk. Always brings the best price in the market. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express, ½ pk. $1.00, pk. $1.75.

QUEEN'S GOLDEN. Color of a peculiar lustrous golden yellow, and when popped of a rich cream color. Very prolific. Kernel and ear large; very tender. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express, ½ pk. $1.00, pk. $1.75.

BLUE BEAUTY. An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. This new variety has been bred in Wisconsin and is extremely early, ripening so it may be popped the same season as grown, without kiln drying. When popped it expands to larger size of any we have ever seen, for crispness and flavor not excelled by any. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express ½ pk. $1.50, pk. $2.50.



No wonder this man looks happy. He is sure of the first Sweet Corn of the season.

"Peep of Day"

Ten Days Earlier Than Any Other Sweet Corn

This remarkable variety is ten days earlier than any other Sweet Corn, has fully sustained the claims made as to its earliness and sweetness. If you plant this corn you will have the first sweet corn of the season.

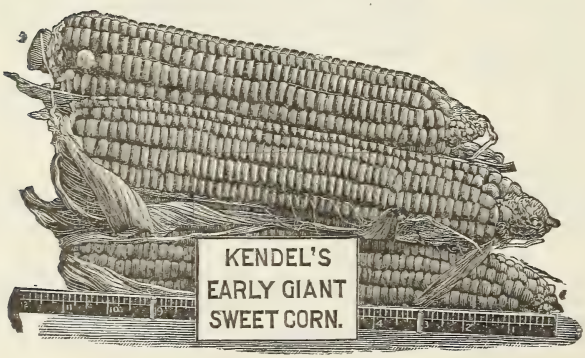
"Peep of Day" corn, in addition to its sensational earliness, is entirely distinct in appearance and habit of growth. The stalks grow about 4 feet in height. The ears average about 5 inches in length and are of perfect form, well filled out to the tip. When cooked the corn is exceedingly sweet and tender. Market and private gardeners planting this variety will be sure of having the first sweet corn on the market. Everyone welcomes the first sweet corn of the season, and there is a natural strife among gardeners to realize the best price for the earliest. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, by express, ½ pk. $1.00, pk. $1.75.

Bantam Evergreen Sweet Corn

A cross between Golden Bantam and Stowell's Evergreen. The Bantam sweetness is retained and of much larger size. A hull thinner than Bantam, increases the eating quality vastly. In season it comes in as a second early about midsummer.

A most important point in favor of Bantam Evergreen is, that it holds its quality longer after being picked than any other variety we have tested. The kernels are plump and full, with exceedingly tender skin, and pronounced by all who have tried it, as the sweetest corn they ever ate. As a market variety it has many points in its favor, for its large size, earliness, thin hull and its tender sweetness. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express, ½ pk. $1.00, pk. $1.75.

Kendel's Early Giant Sweet Corn



This new and distinct variety of Sweet Corn combines more merit than any other early variety in cultivation. The ears grow to a tremendous size, measuring 8 to 10 inches long, and having ten to twelve rows on each cob. Kernels pure white, sweet and tender.

Dealers and truckers report ready sales and are enthusiastic over its large size and productiveness, as well as its white cob and good eating qualities.

Kendel's Early Giant Sweet Corn is an article of real merit, and hence it gives us pleasure to offer this variety to our customers and we believe will come into general use and will entirely supplant Early Minnesota. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid; express or freight, ½ pk. $1.00, pk. $1.75, bu. $6.00.

Parcel Post

If customers want their bulk Sweet Corn prepaid, remit us the following amount extra: For the 1st and 2nd zones from Pella, for ½ pk. 10 cts., for 1 pk. 15 cts. For the 3d zone, for ½ pk. 15 cts., for 1pk. 30 cts.

For larger quantity or longer distances, will be cheaper by express.

SWEET CORN

Ger. *Welshkoren.* Fr. *Mais.*

One quart will plant 200 hills.

The Sweet or Sugar varieties being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm, and for a succession, plant every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about an inch, and thin out to three plants to a hill, or plant in rows four feet apart, and to stand eight inches apart in the rows.

First of All Corn

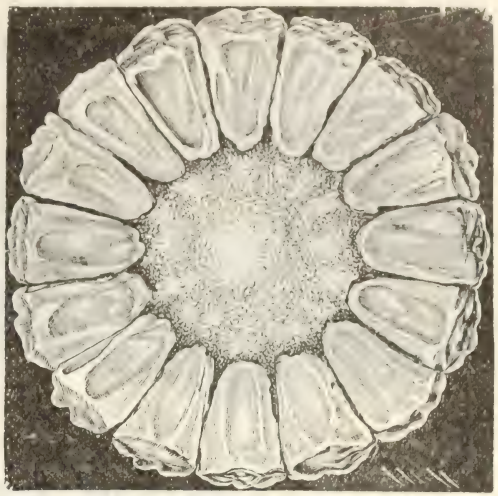
FIRST OF ALL. One of the Earliest. Ripening early, ears large and of superior quality, sweet and of delicious flavor. Extremely valuable to market gardeners for first early. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, by express or freight, ½ pk. 90 cts., pk. $1.75.

MAMMOTH WHITE CORY. This strain is as early as the original Cory. The ears are 12-rowed, much larger in size, white cobbed. No other Sweet Corn will find ready sale, as this is king of the market, for no other variety can compete with it as an extra early, and thus the market gardener who raises it monopolizes the cream of the early trade. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, express, or freight, ½ pk. 90 cts., pk. $1.75.

GOLDEN BANTAM. This variety of yellow grained Sweet Corn is one of the richest in flavor of any corn grown. Of extreme hardiness, can be planted earlier than any other true sweet corn, and will then produce the earliest supply of ears for the table. The stalks grow about four feet in height and average about two good ears to each stalk. The ears are 5 to 6 inches in length. The flavor is exceptionally rich and sugary, claimed to be the sweetest of all corns. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.00, pk. $2.00.

EARLY CHAMPION. The earliest large Sweet corn. Produces ears ten inches long in 60 days. This variety is, without question, the earliest large Sweet Corn yet introduced, being only a few days later than the first early small sorts. Ears nearly as large as the Mammoth twelve-rowed; pure white kernels, with medium sized white cob; very sweet, tender, and full of milk, yielding from two to three ears to the stalk. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, by express, or freight, ½ pk. 90 cts., pk. $1.75.

EARLY EVERGREEN. This variety is a selection from the Stowell's Evergreen. It possesses every good quality of Stowell's Evergreen and resembling it in every respect, except that the stalk is about one foot shorter, more closely jointed, and that it will mature fully 10 days earlier. It is a splendid variety to come in between the early and the late sorts. There is no better variety than the Early Evergreen for the market gardener who wishes to get the cream of the trade. It will no doubt become a popular variety. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, express, or freight, ½ pk. 90 cts., pk. $1.75.



WHITE EVERGREEN. An ideal type of Stowell's Evergreen, so long known as the finest main crop corn, only it is pure white! The quality has been so improved that we now have in White Evergreen the finest Sweet Corn in the world! The ears are very large and average well; they are uniformly well-filled to the tip with long slender grains of the purest whiteness and most delicious sweet flavor. Market gardeners, canners and all lovers of sugar corn have been looking for a white sweet corn as good as Stowell's. They now have it white, sweet and tender, of the finest quality. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, express, or freight, ½ pk. 90 cts., pk. $1.75.

COUNTRY GENTLEMAN. This excellent variety is regarded as the sweetest corn grown. It is pre-eminently an epicure variety, being the sweetest and most tender of all. The ears are medium, cob small, kernels of extraordinary depth, pearly whiteness. It is very productive, bearing from two to four ears on the stalk. It matures medium to late. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, express, or freight, ½ pk. $1.00, pk. $2.00.

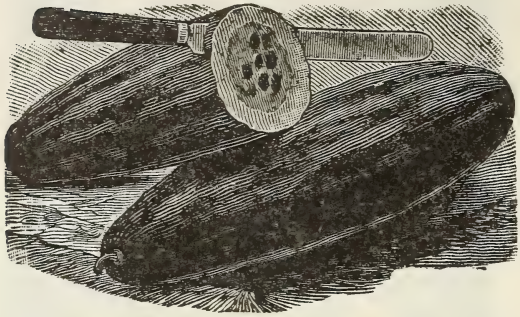
STOWELL'S EVERGREEN. This variety is more largely planted than any other, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remains for a long time in an edible condition. This variety is necessary to every garden. Our stock is very fine and specially recommended. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., postpaid, express, or freight, ½ pk. 85 cts., pk. $1.50, bu. $6.00.

SWEET FODDER CORN. There is nothing better for green feed, or for curing for winter than sweet corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves. Also excellent for soiling. Sow in drills or broadcast.

EVERGREEN LATE FODDER CORN. Per pk. $1.00, bu. $3.50, 2 bu. $6.00.

EARLY FODDER SWEET CORN. Fine for early feed in summer when pastures are short. Per pk. $1.25, bu. $4.00, 2 bu. $7.00.

Early Fortune Cucumber



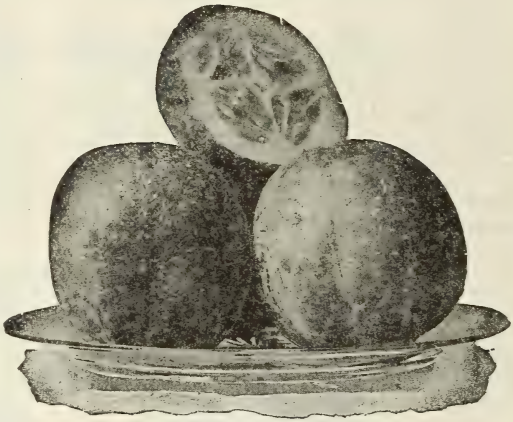
A fine new early variety of the White Spine type; the fruit is of uniform size and shape and is of very firm texture, thus permitting long distance shipping. The skin is very dark green, holds its color remarkably well, has thick flesh which is tender and crisp, making it especially good for slicing. It is a favorite variety with market gardeners.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.25.

Lemon Cucumber

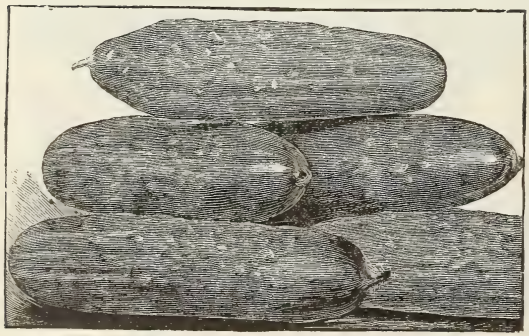
A new and entirely distinct type. Tender, sweet and crisp. The Lemon Cucumber has come to stay, its popularity increasing. With those who grew it last season it is a favorite. If you are fond of cucumbers and want one that will almost melt in your mouth, try our Lemon.

Our illustration is from a photograph of the fruits, in comparison, with an ordinary Cucumber. They are nearly round, with the yellow and green markings and smooth skin of the Lemon, while the flesh is exceedingly tender and crisp, with a sweet flavor surpassing all other Cucumbers. They have none of the bitter or acid taste so generally found in Cucumbers. For slicing they excel, and are well adapted for serving whole upon the table. For pickling, ripe or green, one of the best and most attractive, on account of their quaint form. They can be served green but are at the best just as they are turning yellow. This variety has given us great satisfaction for family use and also for pickling, as we tested this sort along with others at our trial grounds. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.



Lemon Cucumber

Klondike Cucumber



This valuable variety is one of the best for slicing, and will produce Cucumbers equal in appearance to the hot house grown specimens.

The color is rich dark green, and the fruits grow to a uniform size, measuring about seven inches long and two inches thick when in good condition for use. It matures early and continues bearing for a long time, and the vines make such a healthy and vigorous growth that they produce a good crop even in a poor season, when many other varieties fail on account of unseasonable weather.

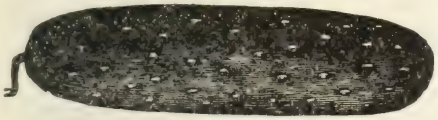
Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

CUCUMBER

Ger. *Gurken.* Fr. *Concumbre.*

One ounce will plant 60 hills.

Cucumbers succeed best in warm, rich, sandy loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather; about the middle of May. Plant in hills about four feet apart each way. Put ten or fifteen seeds in a hill, half an inch deep, and press the earth smoothly with the back of the hoe. The hills should be previously prepared by mixing thoroughly with the soil of each a shovelful of well rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be gathered when large enough, whether required for use or not, as if left to ripen on the vines, it destroys their productiveness. For pickles, plant from June to middle of July. When small sprinkle the plants, when the dew is on, with ashes or air-slacked lime to protect them from bugs. One pound is sufficient for an acre.



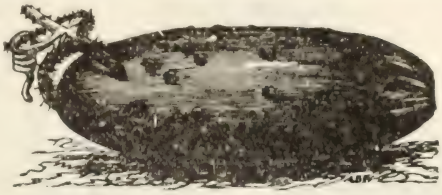
Improved White Spine Cucumber.

IMPROVED WHITE SPINE or ARLINGTON. For both market use and pickling this variety is now more largely grown than any other. This improved strain is vastly superior to the old White Spine. Market gardeners and pickling establishments have here a cucumber that is admirably suited to their wants. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

EXTRA EARLY SIBERIAN. A fine variety and the earliest cucumber known, producing fruits five inches long, in the open ground from seed in fifty-five days. It will be a surprise for market gardeners and truckers. A splendid free bearer, fruits straight and smooth, flesh tender and crisp. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

EARLY GREEN CLUSTER. A short, prickly, seedy variety, bearing in clusters near the root; color pale green. It is a great bearer and matures early. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

THE EMERALD. Is a seedling of the White Spine and retains every good point in the best strains of White Spine, and possesses that rich dark green color which has been so long sought for. It is strictly an evergreen, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention and admiration of everyone interested. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. The flesh being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. The young fruit being dark green, straight and tender, makes an excellent pickle. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.



Chicago Pickle Cucumber

IMPROVED CHICAGO PICKLE. This is one of the best varieties for pickles, and largely used by pickle factories. The fruit is of medium length, pointed at both ends with large and prominent spines, color deep green. It is a most prolific variety, beginning to set its fruit when the vines are quite young. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

THE EVERBEARING. This variety is of small size, very early, enormously productive and valuable as a green pickler. The vines continue to flower and produce fruit whether the ripe cucumbers are picked off or not, in which respect it differs from all other sorts. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

DAVIS PERFECT. A fine variety for both outdoor and forcing. It is a most carefully selected strain of extra long white spine type made by a veteran cucumber grower. The fruit grows 11 to 12 inches long on an average, slight pointed, a dark, glossy color, which they keep until ripe, then turning white. In quality it is very tender, brittle and of fine flavor. A very vigorous grower, withstanding blight better than long sorts. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

LIVINGSTON'S EVERGREEN. This is one of the most prolific of all varieties. This cucumber possesses every qualification of a perfect pickle sort. Very hardy and evergreen, withstanding drouth, and bearing until frost. A very strong grower but early and the best in flavor, bearing firm, crisp fruit, either for pickling or slicing. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

Improved Long Green Cucumber

IMPROVED LONG GREEN. A distinct variety; when full grown sometimes measuring nearly 18 inches in length; form long and slender, with but few seeds; flesh remarkably firm and crispy, a standard variety for pickling, very productive, and better than most varieties of Long Green. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

GHERKIN or BURR. The Gherkin is seldom served at table, sliced in its crude state. It is principally grown for pickling; is the smallest of all varieties, and should always be picked while young and tender, and put in salt water until wanted for pickling. Per pkt. 5 cts., oz. 20 cts.

EGG PLANT

Ger. *Eierflanze.* Fr. *Aubergine.*

One ounce will produce 1000 plants.

Sow the seed in March or April in a hot-bed, or for family use, in a shallow box, in a warm window. Transplant in open ground after the weather has become warm and settled, in rows two feet apart each way. They require a rich soil and as favorable location for warmth as the garden will afford.

NEW YORK IMPROVED PURPLE. The leading market sort, very large and smooth; fine dark color; very prolific and of excellent quality. This strain has given the greatest satisfaction to market gardeners everywhere. Per pkt. 5 cts., oz. 35 cts.

BLACK BEAUTY. Earliest variety of the large round sorts. It is valuable alike to private planter and grower for market. It is perfectly smooth and spineless, has a rich purple color, of excellent flavor. Per pkt. 5 cts., oz. 35 cts.

ENDIVE

Ger. *Endiviene.* Fr. *Chicore.*

Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use, or for late use in June or July. When two or three inches high transplant into good ground, or thin out to one foot apart. When full grown blanch the inner leaves by gathering and tying up the outer ones at the top; but tie up only when the leaves are dry.

MOSS CURLED. From the density of its foliage this variety is heavier than the Green Curled, but is equally agreeable as a salad, and its appearance, either green or blanched, is particularly handsome. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

BROAD LEAVED BATAVIAN. Has broad, thick, plain, or slightly wrinkled leaves. It is principally used for cooking, and making a larger head, is preferred for stews and soups. If blanched it makes an excellent salad. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

GOURD

Cultivated same as squashes; plant ten to twelve feet apart both ways and thin to two plants in a hill. They can be started on sods, in a hot-bed early in April, or planted in the open ground by the middle of May.

SUGAR TROUGH. These gourds are useful for many household purposes. They grow to hold from five to ten gallons each. The shell is very hard and durable. They are much used for making buckets, baskets, lard-kegs, bird-houses, nest-boxes, sugar-troughs, etc. Saw them open in the fall and turn them upside down, and the pith will decay and come out by spring. Per pkt. 5 cts., oz. 15 cts.

JAPANESE NEST EGG. As they exactly resemble in color, shape and size, the eggs of hens, and do not crack, and are not injured by cold or wet, they make the very best nest eggs. By using them many eggs can be saved. The plant grows very rapidly, and is very useful in covering screens, and quite ornamental. Per pkt. 5 cts.

DIPPER GOURD. This is useful for many household purposes and for dipping lard, syrup, etc. When grown on the ground the stems will be curved, while if raised as a climbing vine will cause the stem to grow straight. Per pkt. 5 cts.

GARLIC

Ger. *Knoblack.* Fr. *Ail.*

THE GARLIC. Is the most pungent in taste and has the strongest odor of all the Onion family. It is largely used in the south of Europe, where it is esteemed for flavoring soups, stews, etc. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring, about six inches apart; the tops die in August, when the bulbs are ready to gather. Bulbs ¼ lb. 15 cts., lb. 40 cts.

KOHL-RABI

Ger. *Kohl-Rabi.* Fr. *Chou Rabi.*

One ounce will sow 150 feet of drill.

Sometimes called Turnip-Rooted Cabbage. Sow in April for early use; and for fall and winter use in June and July; in rows two feet apart, and thin from eight to twelve inches apart in the row. Preserve bulbs over winter same as turnips.

EARLY WHITE VIENNA. Flesh white and tender, the best for forcing for market. Excellent for table use. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 75 cts.

EARLY PURPLE VIENNA. Same quality as the above except in color. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 75 cts.

LEEK

Ger. *Lauck.* Fr. *Poirean.*

One ounce will sow 100 feet of drill.

This is a vegetable especially desirable for soups, many consider its flavor better than onions; sow the seed in April, in drills one foot apart, and thin out to four inches apart, or sow in a seed bed and transplant into rows; thorough culture is necessary to produce large roots.

BROAD LONDON FLAG. A large and strong plant with broad leaves growing on two sides, like the Flag. This variety is largely cultivated. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.75.

MUSTARD

It is very refreshing when in its green state mixed with salads and for that purpose alone is worthy of cultivation. Its culture and treatment are the same as recommended for Cress.

GIANT CHINESE. Highly esteemed for salads. The leaves are twice the size of the ordinary White Mustard, flavor sweet and pungent. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

WHITE OR YELLOW. Best for salad or culinary purposes. Per pkt. 4 cts., oz. 7 cts., ¼ lb. 20 cts., lb. 60 cts.

I think your seeds are fine, the best I ever used.
—Mrs. E. E. Le Bean, Victor, Iowa.

LETTUCE

Ger. *Salat.* Fr. *Lattue.*

One ounce will sow 200 feet of drill.

Lettuce covets a rich, mild soil. Sow as early in the spring as the ground can be worked, and every two weeks for a succession, thinly in drills one foot apart; when up thin to eight inches apart, so as to form good heads; it may also be sown broadcast if preferred.

GRAND RAPIDS. This forcing variety stands more neglect in the way of watering and ventilation, will grow more weight on the same ground and will stand longer after it has matured; a strong grower, very crisp and tender and not apt to rot and will keep from wilting longer while exposed for sale than any other sort. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

EARLY CURLED SIMPSON. This variety does not head, but forms a compact, close mass of leaves; the earliest and leading market sort. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

BLACK SEEDED SIMPSON. It is much lighter colored than preceding; its grows nearly double in size, of fine quality. One of the best for forcing or outdoor planting. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

EARLY PRIZE HEAD. One of the best early Lettuces. It forms a mammoth head and remains tender and crisp throughout the season; is prompt to head, but slow to run up to seed; of superb flavor and very hardy. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

BIG BOSTON. This variety is a fine forcing lettuce for cold frames during winter months. The plants are large, very hardy and vigorous, with broad, smooth, thin leaves of light green color. It also heads well in the open ground during cool weather in spring and fall, and has become popular in the south to grow for shipping north. Indoors this forms a solid head, more loose when grown outside. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

CALIFORNIA CREAM BUTTER. It forms round, solid heads, of medium green, slightly marked with brown spots; within, the leaves are of rich, creamy yellow color, and particularly rich and buttery to the taste. The heads are of good size, compact, very hard and solid. It is medium early, and one of the very best summer varieties of head lettuce. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

THE ICEBERG. There is no handsomer or more solid Cabbage Lettuce in cultivation. The large curly leaves which cover the outside of the solid heads are a bright, light green, with a very slight reddish tinge at the edges. It matters not whether in the early spring or the hottest days of summer, the quality is simply perfect. So long-standing and hard are the heads that they seldom shoot up to seed unless cut open with a knife. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

Hanson Lettuce

IMPROVED HANSON. We have a very fine stock of this popular lettuce, and can recommend it as one of the very best. Heads green outside and white within; grow to a remarkable size, very solid, and are deliciously sweet, crisp and tender, even to the outer leaves. It stands the hot sun better than most other varieties. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

THE WONDERFUL. The largest heading lettuce grown. The large white heads resemble early cabbage in size and solidity, and frequently weigh 2 and 3 pounds each. The variety blanches itself naturally, is crisp, tender and of excellent flavor, and free from bitterness. It stands for a considerable time before running to seed and is one of the best for summer use. Outer leaves a deep rich green, white inside. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

MAMMOTH BUTTERHEAD. Heads large, solid, blanching to white at center. Leaves smooth, thick, brittle, tender and extra fine flavored. Long standing and fine for open ground sowing. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

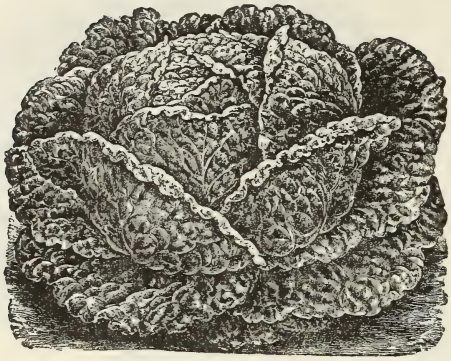
SALAMANDER or SATISFACTION. This variety, one of the best, forming good sized compact heads; color light green, white on the inside. Its great quality, however, is that it will withstand drought and heat, and remain long in head; to gardeners it is invaluable on account of its heat resisting qualities. Per pkt. 4 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

WHITE TRIANION COS. This is the favorite class of lettuce in Europe, and this variety is the very best of its class; already they are becoming popular here. The long, narrow leaves, which form solid heads, bleach and quickly become snow white. They excel all other Lettuces in quality, having a taste and crispness unequalled. Per pkt. 4 cts., oz. 10 cts.

MIXED LETTUCE SEED. Several varieties mixed in one package, good for family use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

I receive catalogues from 10 to 12 houses but my choice is Cole's seeds, as for the last four years I have always found yours reliable, and I have recommended you to all my neighbors for years.—Chas. Knolhoff, Lincoln Co., Mo.

Lettuce---Immensity



Also called Maximum. Of enormous size, and probably the largest known variety of Lettuce. A wonderful heat resisting Lettuce, remaining a long time, even in hot weather, without going to seed. Very solid heading, deliciously crisp and of superb quality. It is green outside and yellow in the center. Not early, but just the variety to follow the early ones, as it will withstand very warm weather and remain crisp.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

"Crisp as Ice" Lettuce

A most beautiful and attractive Cabbage Lettuce well adapted for family and home market use. The heads are solid, of immense size when well grown and so exceedingly tender and brittle as to fully warrant the name, CRISP AS ICE. The glossy leaves are thick, nicely crimped and curled; outside they are beautifully variegated with dark bronze and green. The heads when cut open have a rich creamy-yellow heart. A variety that will become popular with all.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

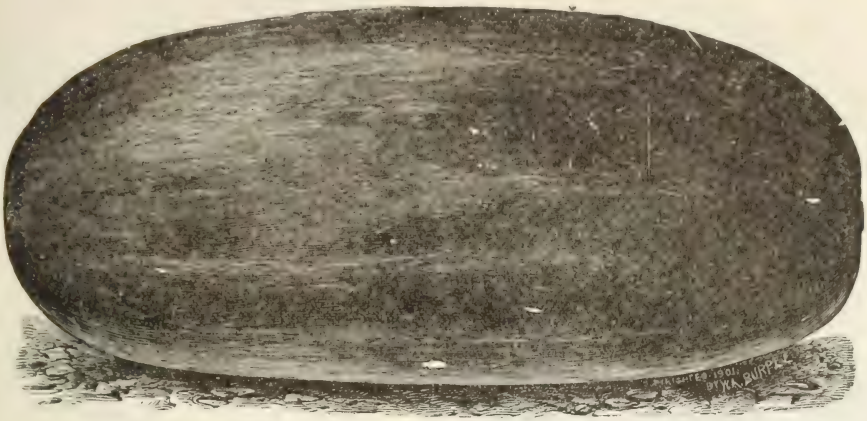
New Lettuce---"May King"

One of the Best Early Heading Lettuce

A very early, extra fine heading lettuce for spring and fall use in the open garden, or for cold frames during winter months. The inner leaves are tightly folded, of good substance. The entire heads are blanched to a rich golden yellow and have a rich buttery flavor. Heads being so firmly folded and solid that they can be shipped to distant markets and arrive in good condition. Can be highly recommended.

Per pkt 5 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

Halbert Honey Water Melon



This fine new variety originated with Mr. H. A. Halbert, of Texas, who grows 30 acres every year for his home trade and he challenges the world to produce its equal in beauty, quality, productiveness, and market demand on the part of lovers of melons. It fully equals the Kleckley in sweet flavor and has fruits more even and regular in outline, with a darker, richer colored skin, making it more attractive in appearance. The vine is a strong, vigorous grower and sets fruits very freely. The flesh is a beautiful crimson, the seed is white and comparatively small. It is essentially a home melon for the nearby market, as the skin is too brittle to ship long distances.

In quality it is simply delicious, sugary, and of rich fruity flavor peculiar to itself, devoid of all stringiness, the sweet flesh melts away in the mouth like honey. We invite everyone to give it a trial.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., 1 lb. $1.00.

I have had good success with your seeds and have planted them for many years. Always of strong vitality and true to name.—Nelson Hanks, Edgar County, Illinois.

NEW WATER MELON

TOM WATSON

This new variety has been on the market only a short time and has become one of the most popular sorts for shipping and market.

The luscious crimson flesh is as sweet as honey, melting and of superb flavor. The average melon is 18 to 24 inches long by 10 to 12 inches thick, weighing from 30 to 40 lbs. The dark green rind is tough but thin and easily withstands shipment to far distant markets. It is very prolific, producing in greatest abundance the large delicious fruits. We believe the Tom Watson is one of the very best melons sent out lately. Sure to take a leading place with melon growers. Shape of this variety same as above cut of Halbert Honey, but grow longer.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., 1 lb. $1.00.

WINTER WATER MELON

A New Long-Keeping Melon

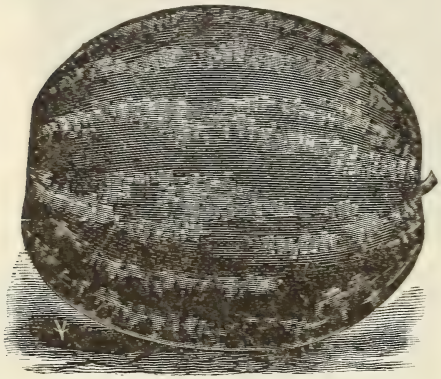
SEE PAGE THREE FOR DESCRIPTION AND PRICE

WATER MELONS

Ger. *Wasser Melone.* Fr. *Melon d' Eau.*

One ounce will plant about 40 hills.

Water Melons require a rich though rather sandy soil for best development, and thrive best in a warm sunny exposure. Plant in hills eight to ten feet apart each way, and cultivate like the musk melon. To secure the largest fruit, have but one or two melons to a vine.

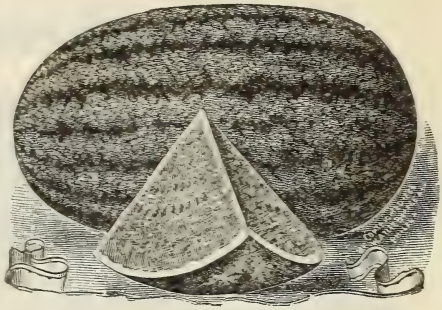


Cole's Early Melon

COLE'S EARLY. This is the finest everyday Melon ever offered for the amateur and for the home-market. Being somewhat brittle, will not do for shipping purposes. It is very early and will mature in every state; very hardy, vigorous and a sure cropper. It is sweet and delicate in texture of flesh, which is a deep red color, the rind is thin and the quality of flesh is sustained clear to the rind. The melons are of medium size, nearly round in shape, rind green, striped with lighter shades. As this variety combines all the desirable qualities of the best melons, it can be highly recommended for home use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

GOLDEN SWEET. There are repeated calls for a yellow fleshed melon from customers. We offer this year a variety that will suit all. This is par excellence in quality, the vines are strong growers and whether fully grown or undeveloped, there seems to be no difference in their quality, being exceedingly sweet and crisp. The flesh is bright golden yellow and makes a fine contrast with the red sorts for table service. They average about 20 lbs. in weight, and are good keepers. The meat is of a luscious sugary flavor and of a firm texture. A really delicious yellow-fleshed melon is a novelty to many. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

We have used your seeds for more than twenty years. We have always found your seed reliable. —Belle Calhoun, Aledo, Ill.



Cuban Queen

CUBAN QUEEN. The vines are very strong, healthy and vigorous in growth. The flesh is bright red, solid, peculiarly luscious, crisp and sugary. It is an excellent keeper, very thin rind, enormously productive, and very heavy, having been grown to weigh 100 pounds. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

PEERLESS or ICE CREAM. One of the best Melons in cultivation. Of medium size, thin rind, light mottled green; flesh bright scarlet, solid to the center, crisp, melting and sweet as honey. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

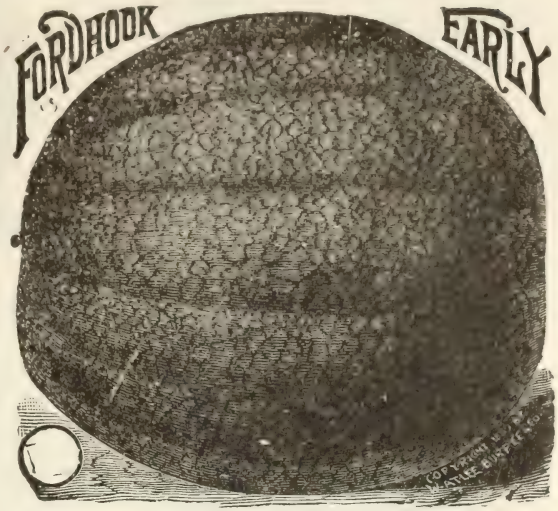
SWEET HEART. An entirely distinct Melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled light and dark green, rind thin but firm, flesh bright red, solid, but very tender, melting and sweet. Remains in condition for use longer than any other sort. This melon is sure to become one of the most popular sorts in cultivation. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

McIVER'S SUGAR. This variety is sent out as the Wonderful Sugar Melon, its delicious melting flavor surpassing every known variety. It originated on the plantation of Col. McIver of South Carolina, who has been growing it in preference to all other sorts. One of the greatest excellencies of this Melon is its ability to withstand wet weather. All those who have grown it, among them many of the most celebrated melon growers, unanimously endorse McIver's Sugar as the most perfect and thoroughbred melon they have ever raised, and in flavor far ahead of anything they ever conceived of in a water melon. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

COLORADO PRESERVING. An improvement on the green preserving melon; enormously productive, and of better quality, and making very clear, transparent preserves, of fine flavor. Directions for cooking and preserving inside each packet. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

FORDHOOK EARLY WATER MELON

This melon has proven itself to be early. We have had early melons of good quality, but this is the FIRST EXTRA EARLY WATER MELON of fine quality that is also of large size. From seeds planted on the tenth day of May, large ripe melons were picked the last day of July, demonstrating its inbred character of maturing extra early. The form is nearly round. The average weight of the melon is from twenty-five to thirty-five pounds each—a size rarely attained by any other extra early melon under favorable conditions. The rind is tough, making it a valuable variety for shipping; the outer color is a uniform medium green, the seeds are white; the flesh is bright red and very sweet. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.



KLECKLEY SWEET WATER MELON

OR MONTE CRISTO

The introducer says: "In our extensive trials of watermelons, we fail to find any of so uniformly fine quality as the Kleckley Sweets. It is the unanimous verdict of growers that it is the finest of Water-melons for home use or nearby market. The only drawback to the variety is that the fruits are too tender to stand shipment. The vines are strong and vigorous and the fruits grow uniformly to quite large size; oblong in form. The skin is a rich dark green, while the flesh is bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Large solid heart, which does not crack open when ripe, as is the case in many large Melons. The rich, scarlet flesh is crisp, sugary, and melting to the highest degree, being entirely free from any stringiness.

Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

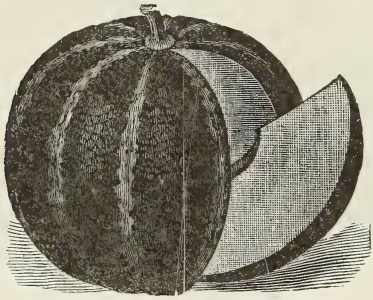
IRISH GREY WATER MELON

A superb melon, equal to Tom Watson. This combination melon is equally as good for shipping as for home use and has attained great popularity on its merits. It is a melon that everyone will like when it becomes better known. The flesh is red, sweet, crisp and free from stringiness. The thin but tough rind is a mottled greenish grey. Vines are vigorous, healthy, and produce fine melons through a long season. It is a melon worthy of a trial. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.25.

If you cannot fill order complete, please substitute other varieties just as good and I am sure it will be satisfactory, as I have ordered from you for a number of years and have always been pleased with the seed sent.—Esther Hamilton, Winfield, Iowa.

MUSK MELON

A rich, sandy loam is most advisable for melons. The seed should be planted in hills five or six feet apart each way; thoroughly mixing with the soil in each hill a couple of shovelfuls of thoroughly rotted manure, which will produce a strong and healthful growth; plant when the earth becomes warm, in as warm a situation as can be found; put in ten or twelve seeds in each hill, and after they are out of danger from bugs, thin out to three or four plants; when small, dust with ashes or air-slacked lime, when the dew is on, to protect from bugs.



Emerald Gem Musk Melon

EMERALD GEM. This variety is early, very prolific and hardy, and the most delicious melon grown. Skin smooth and of an emerald green; flesh very thick, of a salmon color. It is very juicy and rich. The flavor is sweet and luscious beyond description. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

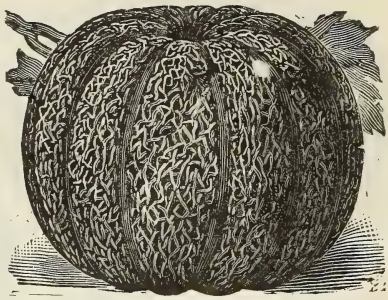
MILLER'S CREAM OR OSAGE. Ranks high as a market melon, either for home or shipping. The flesh is of a rich, salmon color, very sweet and melting in quality, and is so very thick that the melon is almost solid. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

EARLY GREEN NUTMEG. The standard sort; fruit oval, good size, thickly netted flesh light green, rich, sweet and melting. Pkt. 4 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

BANANA. An entirely distinct variety bearing long, slender, banana-like fruit; skin creamy white and entirely free from netting; flesh deep salmon color, thick and of good quality. Pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

BURRELL GEM. This melon comes from the melon-growing district, which was made famous by the Rocky Ford Musk Melon, of which this is a counterpart, except in color of flesh, which is a beautiful dark salmon or orange. If you want a delicious melon for home use or you desire variety which will bring a fancy price on the market, this we can recommend. The melons grow to a desirable size, have slight rib and close netting. Skin is rather dark green and rind thin, leaving a thick lining of flesh which is of a most delicious juicy flavor, and fairly melts in the mouth. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

Herewith I am enclosing an order for seeds. I know of the reliability of your seeds through my father, as he missed ordering from you only one year in thirty and there has been only one slight mistake in all these years.—Mrs. C. E. Bolzell, Stanton, Nebraska.



Extra Early Hackensack

EXTRA EARLY HACKENSACK. A selection of the old Hackensack, which it resembles, but is fully ten days earlier. The melons weigh from four to ten pounds and are of excellent flavor. It is one of the best, as well as the earliest, hardiest, and most prolific of the netted musk melons to grow for market or family use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

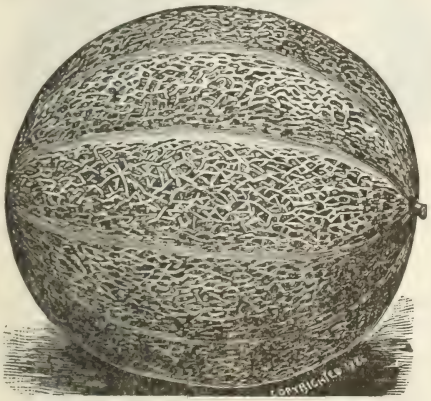
DELICIOUS GOLD LINED. Growers of musk melons, both for home use and for market, will be delighted with Delicious Gold Lined, as it surely is a thoroughbred in every sense of the word. It is of the Rocky Ford type, is the result of several years selection by one of the most progressive growers. Its shape is ideal, very slightly oval, no ribs and it is heavily netted of a grayish color over the entire melon. The melon is thick meated, fine grained and very sweet, flesh is green color, with a slight golden tint next to seed cavity. The vines are very productive and the melons mature early, making it a desirable melon for both home garden and for shipping and is especially suited for crating. Per pkt. 5 cts., oz. 10 cts., ¼ 30 cts., lb. $1.00.

WINTER PINE-APPLE. This variety is of a decidedly distinct apearance, the outside skin being deeply corrugated, with thick flesh and small seed cavity. The flesh is light green, melting, and of a rich aromatic pine-apple flavor. But the most remarkable and valuable feature of this new Melon is its wonderful keeping qualities. They do not ripen on the vines as other musk melons, but are picked before hard frost and laid away in a cool, dry cellar, where they will keep sound and sweet for months. When wanted for use they must be brought into a warm room, where they will ripen up in a few days. These qualities will enable market gardeners to supply both families and restaurants with most delicious Melons all winter. Per pkt. 5 cts., oz. 20 cts.

We have got seeds from your house nearly every year; have always been pleased with them and your method of business and been generally very successful with our garden.—Henry Potts, Jasper Co., Mo.

Rocky Ford Musk Melon

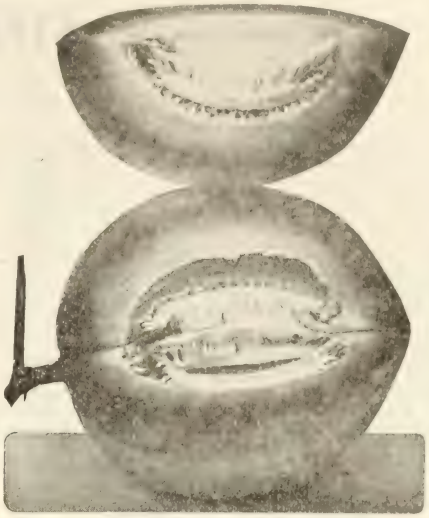
ROCKY FORD. In the past few years the melon growers of Rocky Ford, Colorado, have shipped immense quantities of this variety to all the large cities of the United States, where they have been in great demand by the high class hotels and restaurants. These delicious melons have made a great reputation for high quality. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color, and of a fine, juicy, luscious flavor. It is very early and wonderfully productive. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.



Tip Top Musk Melon

TIP TOP NUTMEG. This new yellow-fleshed melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is of the very best quality, every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. It is a strong grower and a heavy yielder and of handsome appearance. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

ORNAMENTAL POMEGRANATE. An exceedingly interesting novelty, and very ornamental. The fruit is almost round, with distinct markings. Grows on a pretty vine; fruit orange yellow, slightly striped, and sometimes spotted red; varying from the size of a small peach to that of an orange. Very fragrant, sweetly perfuming the room with their exquisite odor for days. Very prolific and easily grown. Plant and cultivate same as for musk melons. Per pkt. 5 cts., oz. 25 cts.



Honey Dew Melon

HONEY DEW. A wonderful new melon that gardeners have been growing in California and Colorado and was offered on the New York and Chicago markets for the first time in the fall of 1915, and where it sold at fabulous prices, bringing from 50 to 75 cts each. It is an entirely new type of melon, the color is dull white when ripe, size about 6 inches in diameter and 7 to 8 inches long, all melons being nearly the same size. This melon has no netting, but the rind, though thin, is very tough and so close that the excellent flesh is practically sealed up where it keeps in finest condition from three to five months after it is ripe. Color of flesh a rich green from close to the rind to the seed cavity and the flavor delightful to all who enjoy a good sweet melon. It has the sweetness of honey and the freshness of the morning dew. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.50.

VINE PEACH or MANGO MELON. The fruit is about the size of a large peach, and of a bright orange yellow color, somewhat russeted. When it first ripens it is quite hard, but soon they become mellow and sweet, and have a rich flavor. When ripe the fruit falls from the vine; the flesh is very firm with a small cavity in the center, and when peeled and the seeds taken out they much resemble peaches. A few pieces of sliced lemon or a little lemon essence adds to their flavor and is usually desirable. They are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach. Pkt. 5 cts., oz. 20 cts.

GARDEN LEMON. It resembles the Vine Peach in manner of growth and shape of fruit but is distinct in color, and when ripe is not russeted like the Vine Peach. Fruit is somewhat smaller than Vine Peach, has thinner flesh and is most decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Pkt. 5 cts., oz. 20 cts.

We have planted your seeds for quite a number of years and found them true to name, of strong vitality, and packets well filled.. Would recommend them to every one in preference to store seeds.—M. E. Woodnow, O'Brien Co., Iowa.

ONION

Ger. *Zwiebel.* Fr. *Ognon.*

One ounce will sow 150 feet of drill; four pounds will sow an acre.

In no vegetable, with the exception of cabbage, does this value of the crop raised depend more directly on the quality of seed than the onion.

Cole's Reliable Onion Seed is all grown from choice selected bulbs, and has no superior. The stock we offer is sure to grow where soil and season is favorable, and sure to produce an abundance of well-shaped bulbs. Beware of poor seeds at low prices. The Red and Yellow varieties are best for main crops.

A rich, light, mellow loam is best to insure successful onion raising, and may be cultivated to the same crop year after year. The ground should be thoroughly enriched with fine decomposed manure, and be deeply spaded or plowed, harrowed and pulverized, the surface being raked free from stones and hard lumps. The main crop should be sown as early as the ground may be in working condition. Sow in drills 14 inches apart, and half an inch in depth, at the rate of four pounds to an acre. Keep clean by frequent hoeing and weeding; observe not to hoe deep, for the more onion rises out of the ground the finer it is and better it keeps. The onion will ripen in August or early in September, and their full maturity will be indicated by the perfect decay of the leaves or top. The bulbs may be drawn from the drills by hand, or by the use of a common garden rake. After being exposed for a few days to the sun for drying, they will be ready for storing or the market.

For Pickles or Sets. Good ground should be prepared as above, and seed should be sown very thickly in broad drills, about forty pounds to the acre.

Danvers Onion

YELLOW GLOBE DANVERS. A standard variety, of large size; globular in form; skin yellowish brown; flesh white, mild and well flavored; very productive; one of the most popular kinds in cultivation. Largely used for growing sets. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00. If 4 lbs. or more are wanted ask for special rates.

EXTRA EARLY PEARL. This is one of the earliest of all white varieties. It grows to a fair size; of pearly white color, flesh of a pure snow-white and flavor very mild. It grows with wonderful rapidity. A splendid keeper, succeeding everywhere, and requiring only thin soil. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

EXTRA EARLY RED. Rather smaller and more flat-shaped than the Large Red; close-grained and heavy. It is mild in flavor, a good keeper, and very productive; fit to be gathered the last of July; very desirable for early market use. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 60 cts., lb. $2.00.

EARLY WHITE QUEEN, or BARLETTA. This is a very early, small, pure white variety; flesh is firm and mild in flavor. Its extreme earliness and fine quality cannot fail to make it a favorite in every garden. Both for table use and for pickling it is most valuable. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

Wetherfield Onion

LARGE RED WETHERFIELD. The standard sort; best for main crop. Large size, of a purplish red color; round or oval shaped, fine grained, pleasant flavored and productive. It ripens in September, an excellent keeper. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00. If 4 pounds or more are wanted ask for special rates.

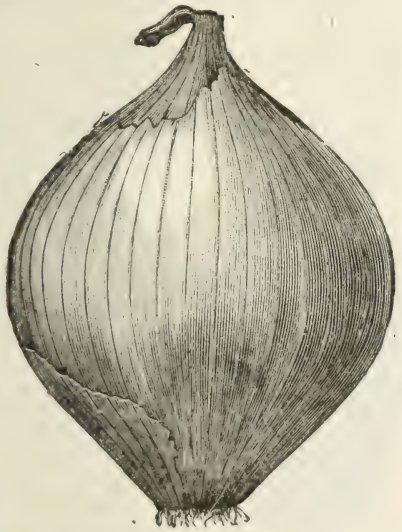
SOUTHPORT LARGE RED GLOBE. Similar to the Large Red in color and flavor, but quite distinct in form, being nearly globular; it is a heavy cropper, and is much prized by many as a market variety. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

SOUTHPORT WHITE GLOBE. A large globe-shaped onion; firm, fine-grained, of mild flavor, keeps well. This is one of the handsomest onions grown, of beautiful shape, clear white skin and commands the highest market price. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

WHITE PORTUGAL, or SILVERSKIN. Very desirable for family use; flavor mild; skin silver white; of handsome appearance; highly esteemed for pickling, also for market in early winter. This is the variety of which White Onion sets are grown. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

Mammoth Prize Taker Onion

MAMMOTH PRIZE TAKER. This has proved to be an excellent keeper of finest flavor, handsome shape and enormous size, many single onions have been raised to weigh 3 lbs., from seed the first year. It is of the same type as those immense imported onions which can be seen in fruit stores and always command a very high price. The Prize Taker grows always to a perfect globe shape, with bright, straw-colored skin, the necks are very small and the onion always ripens up hard. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 65 cts., lb. $2.00.



Ailsa Craig

AILSA CRAIG. One of the largest of onions. It is a very handsome, oval shaped variety with pale straw-colored skin, flesh snow-white, delicious in flavor, in fact is equal in every respect to the popular Spanish onions. Twelve bulbs have been known to weigh thirty pounds. To attain its largest size it should be sown early in spring in the hot-bed and later be transplanted. It is a good keeper for a large onion, and for eating raw we can recommend it for its mild pungent flavor. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

WHITE PICKLING, or Hard Round Silver Skin. Produce uniformly small, round and handsome onions with an opaque white skin that does not turn green by exposure to the sun. The onions are very compact and hard, but at the same time crisp and brittle; altogether the best pickling onion. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

MAMMOTH SILVER KING. This variety grows to a remarkable size. Bulbs are of attractive form, flattened, but thick through. Single bulbs often attain weight of from 2½ to 4 lbs. each. The skin is a beautiful silvery white; the flesh is snow-white, and a particularly mild and pleasant flavor. It matures early and is uniformly large and perfect form. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

AUSTRALIAN BROWN. This variety is of medium size, wonderfully hard and solid, and most attractive for market. They are extremely early in ripening, and never make any stiffnecks or scallions. Every seed seems to produce a good-sized onion, and the bulb begins to form very quickly. It has the reputation of keeping indefinitely, and we think from its firmness and hardness that it will keep in good condition longer than any other onion known. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 70 cts., lb. $2.00.

ONION SETS

Sets furnish large onions early, as well as the first green onions for table use. Plant the sets as early in the spring as possible, in shallow drills, one foot apart, and two inches between sets. Cover slightly. They can be used in a green state in June, and are ripened off by July. One quart of sets is needed for forty feet of drill.

PARCEL POST. If customers want their Onion Sets prepaid, remit us the following amount for postage. For the 1st and 2nd zones from Pella, for ½ pk. 10 cts., for 1 pk. 15 cts.; for the 3rd zone, for ½ pk. 15 cts., for 1 pk. 25 cts.

WHITE MULTIPLIER SETS. These are of a pure silvery white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster, of excellent quality and size for bunching green, or can be ripened for use as pickling onions. Good keepers, having kept perfectly sound for a year, but their most important quality is extreme earliness. Per pt. 20 cts., qt. 35 cts., by express, ½ pk. 75 cts., pk. $1.50.

YELLOW BOTTOM SETS. Per pt. 15 cts., qt. 25 cts., by express, ½ pk. 75 cts., pk. $1.25.

RED BOTTOM SETS. Per pt. 15 cts., qt. 25 cts.; by express, ½ pk. 75 cts., pk. $1.25.

WHITE BOTTOM SETS. Per pt. 15 cts., qt. 25 cts., ½ pk. 75 cts., pk. $1.25.

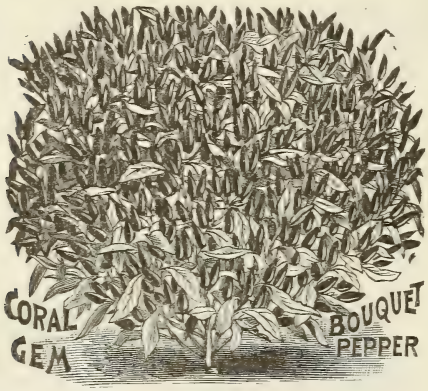
TOP or BUTTON SETS. Per pt. 20 cts., qt. 35 cts., by express, ½ pk. 75 cts., pk. $1.50.

EGYPTIAN or PERENNIAL. They may be planted either in the spring or fall. They come up early in spring without any protection and furnish the earliest green onion, will also supply you with green onions in the fall. Per pt. 15 cts., qt. 25 cts., by express, ½ pk. 50 cts., pk. $1.00.

PEPPER

Ger. *Pfeffer.* Fr. *Piment.*
One ounce will produce 1500 plants.

Pepper is highly valued for the pungent flavor and is used in seasoning soups, meats, etc., also used for pickles and mangoes. Early in the spring sow the seed on a gentle hot-bed, or in a box placed near a window, in a warm room, and transplant early in the summer or sow in a warm spot of the garden about the middle of May and transplant them when about two inches high, in rows 18 inches apart and 18 inches in the row.



CORAL GEM BOUQUET. The finest of the small sized varieties. Its beautiful little pods of shining red color are so thickly set as to give it the appearance of a bouquet of coral. The plant grows 24 to 30 inches high, so densely set with pods as to bend its branches down. So many desirable qualities are combined in this, it will undoubtedly become popular as well as profitable in the manufacture of pepper sauce. Per pkt. 5 cts., oz. 35 cts.

LARGE BELL, or BULL NOSE. Of large size; very early, of sweet, mild flavor, glossy red; rind thick and fleshy. Per pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.

SWEET MOUNTAIN. Similar in shape to the Large Bell but of a much larger size; rind thick, fleshy and tender; much used for pickling, stuffed like Mangoes. Per pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.

CRIMSON GIANT

A NEW SWEET PEPPER OF SPECIAL MERIT. Habit of growth, robust and stocky, with no tendency to grow an immense plant with little or no fruit. The Giant Crimson is especially desirable for the Central States, as it matures the earliest of all extremely large sweet peppers. The fruit is large, runs even in both size and shape and is produced in more abundance than some of the other large varieties. The color is a deep green when young and rich red when ripe, flesh thick, sweet and very mild. Per pkt. 5 cts., oz. 35 cts.

PERFECTION OR PIMENTO. This is the sweetest and thickest fleshed of all peppers grown. The plants are productive, fruit dark green and medium in size, and of a shape which is desirable for stuffing. It is a great pepper for canning, or to be used for salads or flavoring. It has thick, smooth and firm flesh, which permits of it being scalded and peeled. It will become a very popular variety. Per pkt. 5 cts., oz. 35 cts.

MAMMOTH GOLDEN QUEEN. This variety is wonderfully productive, of perfect shape, and uniform large size; growing from 15 to 20 perfect fruits, from 8 to 10 inches long, and 4 to 6 through on a single plant. They are so mild in flavor they can be eaten like tomatoes with pepper and vinegar. Per pkt. 5 cts., oz. 35 cts.

LONG RED CAYENNE. From 3 to 4 inches long, of a bright red color, very productive, hot and pungent, the best for seasoning pickles. Per pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.

RED CHILI. Small, cone-shaped, very pungent. Ripe and green pods are used as pickles; also for making pepper sauce. Per pkt. 5 cts., oz. 35 cts.

Ruby King Pepper

RUBY KING. This pepper attains a large size. The fruit is from 6 to 8 inches long by 4 inches through, of a bright ruby red color. They are remarkably mild and pleasant in flavor, free from any hot taste. They can be sliced and eaten with vinegar like tomatoes and make a very pleasant salad. Pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.

CHINESE GIANT. This is one of the largest and finest peppers in existence. The extremely large size of the peppers is a great surprise to all who grow them. The plant is a strong grower, and a prolific bearer. The flesh is quite thick, and very mild, fruit of a bright scarlet color when ripe. Per pkt. 5 cts., oz. 35 cts.

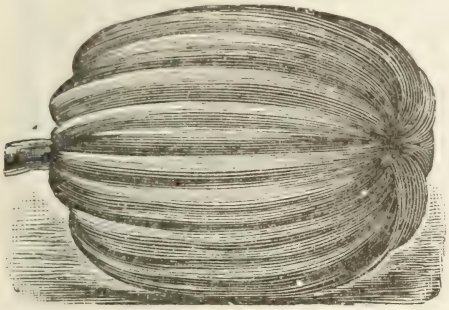
I was well pleased with the seed that you sent me last year, and many thanks for the extra seed that you sent us.—Mrs. Lizzie Cayler, Udell, Iowa.

PUMPKIN

Ger. *Curbis.* Fr. *Courge.*

One ounce will plant about 15 hills.

Principally used for agricultural purposes, but there has been a great improvement in the varieties during the past few years and many sorts are fine table varieties. They are easily grown and are profitable for stock feeding. At time of corn planting scatter a few seeds in every fourth or fifth hill, or for a large crop plant in May, in good warm soil in hills eight to ten feet apart each way, four plants to the hill. Avoid planting near other vines as they will hybridize.



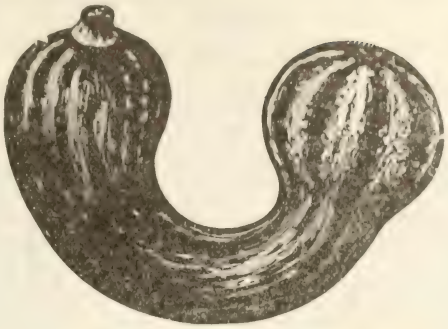
SUGAR OR PIE. One of the very best of all Pumpkins for pies. The fruit is of medium size. Flesh yellow and very thick, quite early, surprisingly productive and a rapid and hardy grower. The finest for pies, making good ones even when eggs are not used. It is a ready seller. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts.

QUAKER PIE. This variety is of a creamy color both inside and out. The vines are very hard and prolific, always yielding a certain crop. It is early and keeps late. Its chief value is for "Pumpkin Pies," being fine grained and rich flavored. It has none of the coarse and stringy character so common to other varieties. One of the very best keepers. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. $1.00.

WINTER LUXURY. This pumpkin is pronounced by hundreds the very best pumpkin for pies they have ever known. It grows uniformly to a diameter of ten to twelve inches, and is enormously productive. In color it is a beautiful golden yellow, very finely and closely netted. As a winter keeper and cooking variety it stands alone. Per pkt. 5 cts., oz. 10 cts., ¼ lb, 25 cts., lb. $1.00.

IMPROVED CUSHAW. This is the Cushaw of "ye olden times," and is a great favorite for its many good qualities. Of large size, often weighing 70 pounds. Flesh salmon colored, thick and of fine quality. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. $1.00.

I have ordered seeds from you for years. I think they are the only good seeds. Thanking you for the many past favors.—Maggie B. Threlkeld, Shelby Co., Mo.



Japanese Pie Pumpkin

JAPANESE PIE. The illustration correctly shows the shape and extremeley small seed cavity—all the balance being solid meat throughout, which is of extra fine quality. It is a very productive variety, the pumpkins ripen early, of medium size, good keepers, and weigh 15 to 20 pounds each. The flesh is a rich salmon color, unusually fine grained, and when cooked or stewed is almost as dry and mealy as a sweet potato. For making pies, custards, etc., they certainly have no equal. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. $1.00.

LARGE CHEESE or SWEET. Cheese shaped, in flavor like the Crockneck Squash; yellow fleshed, fine grained and very productive; superior to most field varieties. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts., by express, 5 lbs. $3.00.

MAMMOTH POTIRON OR KING OF THE MAMMOTHS. It grows to an enormous size three feet or more in diameter, and one to two hundred pounds or more in weight. It has a salmon-colored skin; flesh bright yellow, fine grained and of good quality. It has attracted a great deal of attention, and is a fine variety to exhibit at county fairs, etc. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

CONNECTICUT, or LARGE COMMON YELLOW-FIELD. A very productive large yellow variety, and grown principally for feeding stock. Per oz. 5 cts., ¼ lb. 15 cts., lb 60 cts., 5 lbs. $2.50, 10 lbs. $4.50.

PEAS

One quart will plant 100 feet of drill.

The Pea is extremely hardy; will endure cold, frosty weather without harm, and may therefore be sown very early in the spring. Generally the earliest sown succeed the best. Sow the dwarf varieties in rows two feet apart; those varieties that attain the height of two or three feet in rows three feet apart. The dwarf varieties should be liberally manured; the tall sorts will run too much to vine if too freely manured. Bush the tall kinds when 6 inches high. The height of the Pea depends much on the moisture and richness of the ground. Peas should be covered from four to six inches deep. In dry weather the Pea should be soaked five or six hours before planting and if the ground is very dry, pour water in the drills before sowing the seed. The wrinkled varieties rot more easily than the smooth sorts, and therefore should not be sown so early when the ground is liable to again freeze up, though hardier sorts may with safety. All wrinkled Peas are superior in flavor to the smooth sorts, and they remain much longer in season.

Our **Seed Peas** are of the very best, all **Northern Grown,** and will not fail to please the most critical.

Extra Early Varieties

Those marked with a (*) are wrinkled varieties.

MAUD S., The Earliest Pea in the World; this strong claim is made for the Maud S. besides its extreme earliness, it is a vigorous grower, wonderfully productive, pods numerous and well filled. Its uniformity in ripening makes it the most profitable Pea for the market gardener. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.50, pk. $3.00.

THE GRADUS. This New Extra Early Green Wrinkled Pea will soon become one of our most popular varieties. We may now have large tender peas, sweet and delicious, in early June. The Gradus will yield an abundant supply of the most tender wrinkled peas much earlier than any other wrinkled variety, and in our trial grounds they proved to be only three days later than the small extra earlies. It is also the earliest large-podded pea in cultivation. The vine has heavy stems, with large dark green leaves, and grows from 2½ to 3 feet in height. It produces uniformly large pods, measuring from 4 to 5 inches long, well filled with peas of enormous size for such an early variety. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.50.

LITTLE MARVEL. One of the most satisfactory Peas for the home garden. It is dwarf, about 15 inches high, it is early and is hardy, withstands bad weather better than most varieties. It remains in good condition a week longer than most early sorts. It is very productive, with dark green pods, well filled. Is luscious, sugary, and of the finest flavor and quality. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid; by express, ½ pk. $1.75, pk. $3.25.

***McLEANS LITTLE GEM.** A dwarf, prolific, green wrinkled marrow; it has all the sugary flavor of late wrinkled peas, besides being very early; it is especially recommended to private growers; 15 inches. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

***AMERICAN WONDER.** This dwarf variety stands unrivaled in point of productiveness and quality, and is the earliest wrinkled pea in cultivation; produces a profusion of good sized and well filled pods of the finest flavor; 12 inches. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

ALASKA EXTRA EARLY. The earliest blue Pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners; 2 feet. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.50, pk. $3.00.

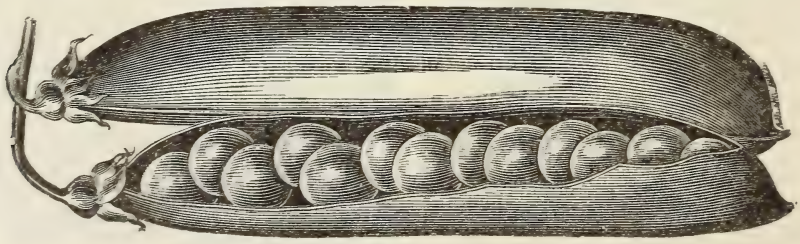
PARCEL POST. If customers want their bulk Peas sent prepaid, remit us the following amount extra:

For the 1st and 2nd zones from Pella, for ½ pk. 12 cts., for 1 pk. 20 cts.

For the 3rd zone, for ½ pk. 20 cts., for 1 pk. 35 cts.

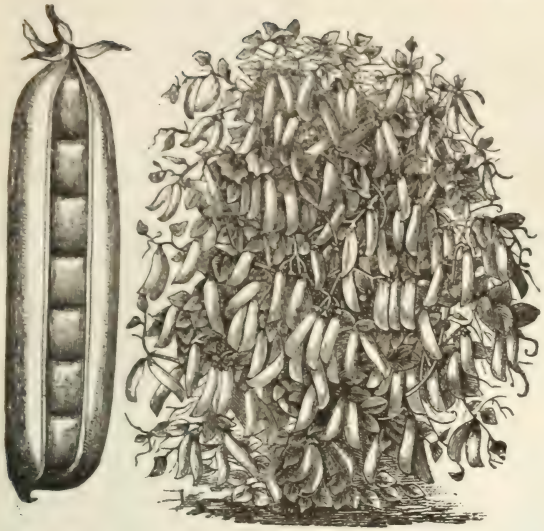
I will send to you again for garden seeds. I have been sending to you for garden seeds for twenty-five years and have been well pleased at all times. Wishing you good luck, I remain, Rebecca Downing, Platte Co., Mo.

I have bought seeds of your firm for four years and have never got a packet of seeds that did not grow, or was not true to name.—Mrs. Chas. J. Wray, Adams Co., Iowa.



Gradus Pea

NOTT'S EXCELSIOR PEA



The introducer describes it as follows:

"This very desirable pea grows to a uniform height of one foot. Remarkably hardy and productive, besides being earlier than all the wrinkled peas, it has been impartially tested the past six years in various sections of the United States and Canada. It is so hardy and vigorous that it may be safely planted in early spring with any smooth variety, and counted on for table use almost as soon, while the quality is far superior. During the eight years that I have been developing these peas, they never failed to be well matured for table use within fifty days from planting, with ordinary garden culture. Pods large, with from five to seven large peas in a pod. Very tender and fine flavored."

Price per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight ½ pk. $1.75, pk. $3.25.

Second Early Varieties

***HORSFORD'S MARKET GARDEN.** A grand wrinkled variety, coming in between Little Gem and Advancer. It is a prolific bearer and has yielded more per acre than any other variety. The pods, although medium size, are numerous, and are packed with peas of a delicious sweet flavor; very stocky, require no brushing; 2 feet. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

***BLISS ABUNDANCE.** A productive variety. Pods over 3 inches long, and well filled, containing 6 to 8 large wrinkled peas of excellent quality. Its most striking feature is its branching habit, many plants throwing up six or more branches crowded with pods. Sow seed very thinly, 18 inches. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

CARTER'S DAISY. By some called Dwarf Telephone. A new second-early dwarf pea with immense pods and peas. The vines grow about 16 to 18 inches high, are stocky and vigorous, very productive, the pods are long, frequently 5 inches in length and well filled with large, thick, pale green peas, tender and well flavored and of good lasting qualities for market purposes. The Daisy Pea will please every one. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., by express or freight ½ pk. $1.75, pk. $3.25.

GRAY SUGAR. This variety is early and prolific. The pods are flat and crooked; used in the green state in the same way as string beans, having the identical flavor of the pea; 3 feet. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.60, pk. $3.00.

Late, or Main Crop Variety

***IMPROVED STRATAGEM.** This is a dwarf wrinkled blue marrow, very heavy cropper, pods from five to six inches long, remarkably well filled, and contains as high as ten large, fine flavored peas. In table quality none can surpass it. Vines very strong and needing but little support; 2 feet. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

***BLISS EVERBEARING.** Late variety of robust growth, forming as many as ten branches containing 6 to 18 large wrinkled peas, often from a single stalk; pods 3 to 4 inches long, half an inch in diameter, rich and marrowy. Continues long in bearing; should be sown thin; 2 feet. Per pkt. 5 cts., ½ pt. 20 cts., 2 for 35 cts., postpaid, by express or freight, ½ pk. $1.75, pk. $3.25.

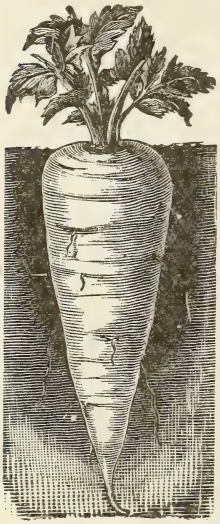
Carter's Daisy Pea

PARSNIPS

Ger. *Pastinake.* Fr. *Panais.*

One ounce will sow 200 feet of drill.

Sow as early in the spring as the weather will permit, in drills 18 inches apart, covering half an inch deep; when well up, thin out to five or six inches apart in the rows. Unlike Carrots, they are improved by the frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring to be dug up as required.



Guernsey Parsnip

IMPROVED GUERNSEY. This improved fine strain of Guernsey Parsnip is strictly a table variety. The roots do not grow long as the Hollow Crown, but are of a greater diameter, and more easily gathered. It is a very heavy cropper; the roots are smooth, about twelve inches in length, and with a very deep hollow crown and small top. The flesh is very fine grained and sweet all the way through, and of excellent quality. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

SUGAR or HOLLOW CROWN. Roots long, grows mostly below the surface. It is about one of the best garden varieties, a standard sort. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

INTERMEDIATE. This sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts, the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. It is easy to harvest. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.00.

PARSLEY

Ger. *Petersilie.* Fr. *Peosil.*

This well known and agreeable savory herb is used as a garnish and for seasoning soups, stews, etc. Select a rich soil and sow the seed as early in the spring as the ground can be worked, in drills one foot apart; thin out the plants to three or four inches apart. As it is slow to vegetate, soak the seed in warm water for ten or twelve hours.

EMERALD. The Emerald is distinct in appearance, being of a light shade of green. The plant is of dwarf habit, with leaves finely cut and curled. Growers for the markets of all the large cities know how important it is for their sales to have a stock parsley that is "curly." Per pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 75 cts.

NEW FERN-LEAVED. This beautiful Parsnip resembles crested fern or moss in its growth. It is invaluable as a garnishing plant, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden, and also for table decorations. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

OKRA or GUMBO

This vegetable is becoming extensively grown. The long young pods of this plant are used in soups, stews, etc., to which they impart a rich flavor and are considered nutritious. Sow the seeds thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart and one inch deep; thin out to ten inches apart in the drills. Hoe often and earth up a little to support the stems. The very young pods can be gathered and dried for winter use.

WHITE VELVET. This variety is a great improvement on the old Okra. Has long, slender pods, early and very productive. Per pkt. 4 cts., oz. 8 cts., ¼ lb. 25 cts.

RHUBARB or PIE PLANT

Ger. *Rhubarber.* Fr. *Rhubarde.*

One ounce will produce about 800 plants.

Sow in drills one foot apart early in spring. In the fall or next spring transplant to three feet apart both ways. Do not pluck the stalks until the third year, and do not let the plant exhaust itself by running into seed. The soil can not be too rich, and mulching with manure each fall is very beneficial. Stalks are used for pies, tarts, etc.

LINNAEUS. Large, tender, and excellent flavor. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

RHUBARB ROOTS. Plant in spring in rich soil, three feet apart. Each 20 cts., 3 for 50 cts.

SPINACH

Ger. *Spinat.* Fr. *Epinard.*

One ounce will sow 100 feet of drill.

This is an important market gardener's crop of easy culture. It must be grown in deep, rich soil. For summer use sow early in the spring, in drills one foot apart, covering seed one inch deep. Sow at intervals of two weeks through the season. For very early spring use, sow in September and protect by covering with straw.

LONG STANDING. This is decidedly the best variety for spring sowing, having all the good qualities of the other sorts; besides remaining a long time before running to seed; valuable for market gardeners. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

NEW VICTORIA. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance and of the finest quality, but the most remarkable feature that will make it of special value, that it is in prime condition from two to three weeks after all other varieties of Spinach have run to seed. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

SALSIFY or OYSTER PLANT

Ger. *Bocksbart.* Fr. *Salsifis.*

One ounce will sow 50 feet of drill.

A delicious vegetable. Cut into small pieces it makes a fine soup, like that from oysters. It is also parboiled, grated fine, made into small balls, dipped in butter and fried; also cooked whole as parsnips. Culture and treatment same as for parsnips.

MAMMOTH SANDWICH ISLAND. An improved type of this excellent vegetable. It produces roots of nearly double the size and weight of the old variety, and of equally good quality. It is very tender and delicious, and resembles a good sized parsnip. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

New White Icicle Radish

An entirely distinct variety from Germany, and derives its name from the almost transparent whiteness of the roots. It produces long, slender, pure white radishes very early in the season, much earlier and finer in quality than any other long white variety. The shape is well shown in our illustration. The leaves are short and few, also making it an excellent variety for forcing. It is of the best flavor, very brittle and crisp. The roots grow about four inches long and are ready for use in about three weeks from the time of sowing. It is a desirable variety for the home garden and market gardeners will find it a money maker. It is destined to become very popular with growers. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

Radish---Cooper's Sparkler

A new variety of an entirely distinct type. In shape it is globular; the top is very short, thus making it adaptable for forcing, although equally as good for outside planting. The color is a rosy carmine, with a fine white tip. Its rapid growth makes a fine crisp radish, as early as the scarlet turnip. The Sparkler will keep long in good condition, and can be grown the year round if successive sowings are made.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

Crimson Giant Radish

This new variety suitable for forcing or early planting out of doors. It grows to double the size of other forcing varieties without becoming pithy or hollow.

The Radishes run from 6 to 7 inches in circumference and yet remain firm and crisp, free from all signs of becoming soft. Root turnip-shaped, color a beautiful crimson carmine, with pure white flesh, tender and juicy. We are certain it will become a great favorite with all who plant it.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

RADISH

Ger. *Rettig.* Fr. *Radis.*

One ounce will sow 100 feet of drill.

The radish is very hardy, and can be sown as early as the ground will admit. To be crisp and tender they should make a quick growth. The soil should be very rich and light; sow the seeds in drills one foot apart and cover half an inch deep; thin while small from two to three inches apart; hoe often; for a succession sow at intervals of two weeks. To keep the beetle from destroying them sprinkle with ashes or air-slaked lime. The winter varieties should be sown in August; they must be taken up before severe frosts and stored in a cool cellar and covered with earth. Put them in cold water an hour before using. Every family should raise a supply of winter radishes.

Non Plus Ultra Radish

NON PLUS ULTRA. By some called Dark Red Ball, or **Early Deep Scarlet Turnip Forcing Radish.** Remarkably fine in quality and of very quick growth, and ready to pull within fifteen to twenty days after sowing. Perfectly globular little roots, of very bright color and excellent shape. It is by far the best strain of early radish for forcing. Beds are planted, the crop matured and sold, and the same bed made ready for a second planting—all IN 30 DAYS. No gardener can afford to grow common sorts when he can get seed of the NON PLUS ULTRA. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

EARLY DEEP SCARLET TURNIP; or ROUND DARK RED. Of very deep red skin, beautiful shape and extra early. The very best strain of Early Scarlet Turnip Radish in cultivation. Its handsome appearance and extra fine quality commands a quick sale on the market. It is always firm and crisp. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

EARLY WHITE TURNIP. Like the Scarlet Turnip, but in color pure white; flesh white and semi-transparent; very crisp and tender. It is a few days later, and will bear the heat longer without becoming spongy. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

COOPER'S SPARKLER WHITE TIP. The best strain and most popular of the white tip radish. See page 37.

Earliest White Radish

EARLIEST WHITE. This handsome new variety is not only the earliest White Radish, but the earliest of any color. The beautiful little radishes, of the size and shape shown in the cut, are ready for the table in 18 or 20 days after sowing the seed. Of handsome olive shape; both skin and flesh are pure white, of mild flavor, crisp and tender. The tops are small, which renders them suitable for forcing and admits of close planting. This proved to be one of the most desirable varieties in our trials, and can be highly recommended. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.25.

EARLY FRENCH BREAKFAST. A medium sized Radish, olive-shaped, small top, of quick growth; very crisp and tender, of a beautiful scarlet color, tipped with white. A splendid variety for the table, for its excellent qualities and beautiful color. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

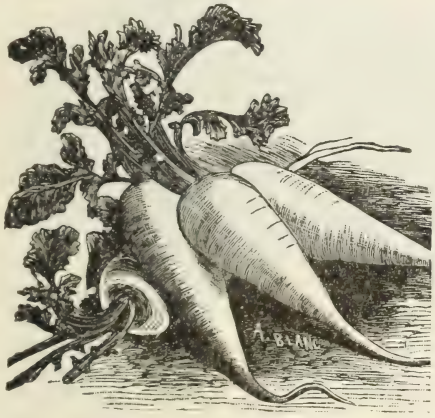
EARLY SCARLET GLOBE. A most desirable turnip sort for hot-bed forcing; very early; and in flavor mild, crisp, juicy and tender, top small, and it will stand the heat well without becoming pithy. One of the best selling radishes on account of its very attractive color and shape. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

I have used your seeds for twelve years and have always found grand results with them. I wish to advertise your seeds to some of my neighbors.—Arthur Misner, Harrison Co., Mo.

I have ordered seeds from you for years and find they are good. This order includes seeds for a few of my friends whom I have induced to try them.—Mrs. F. Aufderheide, Gosconade Co., Mo.

Long Brightest Scarlet

LONG BRIGHTEST SCARLET. This variety, by some called Cardinal Radish, is one of the handsomest Long Radishes grown. In shape it is intermediate between the long and half-long sorts. It is early, being fit for use in 25 days after sowing. In brightness of color it is quite unique, being the brightest fiery scarlet we have ever seen in any radish; flesh crisp, brittle, and of a delightful pungent quality. A fine variety to sell well in the markets. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.



White Strassburg

WHITE STRASSBURG, or HOSPITAL. This is one of the most valuable summer varieties. Flesh pure white, tender, crisp and of pleasant taste, without being strong. It can be used in six weeks from the time of sowing and continues to grow without losing its superior quality. It will prove a profitable market variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

LONG WHITE VIENNA, or LADY FINGER. One of the finest of long white radishes; snow-white, very brittle and crisp, of beautiful shape and rapid growth. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 90 cts.

MIXED RADISH SEED. For use in family garden we offer mixed seeds of all the early varieties. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

The Triumph

THE TRIUMPH. This is a beautiful and odd radish. The ground color is pure white, striped with bright scarlet, when mixed in the bunch with scarlet radishes makes a pleasing contrast. It is a splendid forcing radish, with short top, small leaves, and matures quickly. The flesh is very crisp and solid and of mild flavor. It can also be grown in the open ground as well. It is a most atractive ornament for the table, and market gardeners will find ready sale for it. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

IMPROVED CHARTIER, or SHEPHERD. This Radish possessing so many fine qualities, is a great favorite. It is an early summer variety; in color a deep pink. In quality unsurpassed, being not strong, but crisp and tender. Its great value lies in its being in fine market condition when quite small and continuing so until grown to large size, even when grown in hot weather without becoming tough and pithy. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 90 cts.

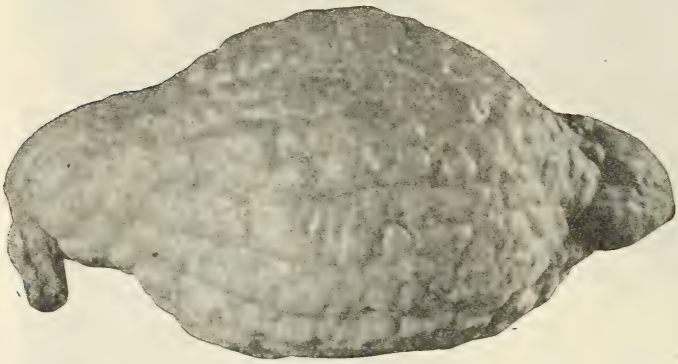
ALL SEASONS. A radish for all soils and climates. Fine for early or late summer use. May be sown at intervals from early spring until autumn, and the roots obtained from late sowing can be kept for winter consumption. It requires but six to eight weeks for its full development. The root is large, perfectly round and of a brilliant scarlet color; flesh pure white and of a most agreeable flavor; retaining its crispness, even when the roots are several weeks old. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.35.

CALIFORNIA MAMMOTH WHITE WINTER. Roots grow eight to twelve inches long and two to three inches in diameter; flesh white, solid and of excellent flavor. This is the largest of all radishes. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

CHINESE ROSE WINTER. This variety is becoming very popular with market gardeners; it is of half long shape, rose-colored, and flesh as solid as an apple; it has not that strong flavor of the Black Spanish and keeps equally well. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

LONG BLACK SPANISH. One of the hardiest and best for winter use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

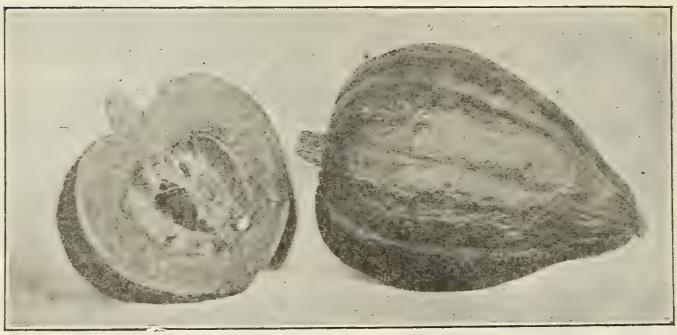
Blue Hubbard Squash



This is something new in Squashes, Sent out last season by Gregory & Son; they are experts on squashes, and every time a new variety is sent out by them it is a little better in quality than the former one. Mr. Symmes, the originator, obtained it by careful selection from the Hubbard, on which he has been working for several years. It is of a light blue color, resembling the Warted Hubbard in shape, though excelling this variety in flavor and dryness, and surpasses all other varieties in productiveness. The introducers say this is our ninth introduction and our best. It is also a good keeper and will keep longer after being cut open than most varieties without showing mold.

Per pkt. 10 cts., 2 pkts. 15 cts., oz. 15 cts., ¼ lb. 50 cts.

The Delicious Squash



This new variety comes from the originator of the well-known Hubbard. It is one of the best flavored squashes in existence. The name is given in reference to its quality "delicious" the word mostly used to describe its quality. It is the result of years of selection and crossing between the Hubbard and other varieties. It is uniformly of a green color when matured. Flesh very thick, of a dark orange color, weight 5 to 10 lbs. For table use it leads all others in its remarkable combination of fine and compact grain, dryness, sweetness and richness of flavor. It is a late fall and winter squash.

Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

Banana Squash

This is an old variety of a generation or more ago, to come back again, it is listed in some catalogues as the Plymouth Rock, but is the same variety. It is probably the finest in quality ever grown. The color is a grayish green, shell soft so it can be cut with a knife. It grows from 18 to 24 inches long and 6 to 8 inches thick. It is very prolific, but a shy seeder which makes the seed a little higher in price. Flesh is free from fibre or stringiness and of a most delicious flavor. Seed scarce. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

SQUASH

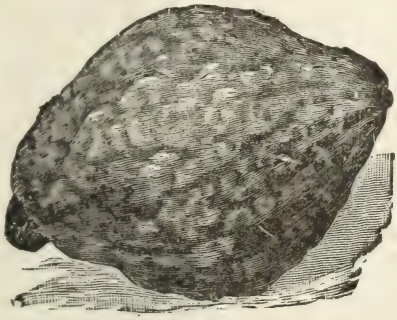
Ger. *Kuerbis.* Fr. *Courge.*

One ounce will plant about 25 hills.

Plant about the middle of May, in hills, the early varieties four to five feet apart, and the late sorts eight to ten feet. The hills should be highly manured, and prepared in a similar manner as those of melons. Plant from six to ten seeds in a hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants. Dust the plants, when the dew is on, with air-slacked lime or ashes, to protect them from the striped bug.

MAMMOTH WHITE. Bush Scallop. This excellent large strain is ten days earlier than the common stock. The squashes average at least double the size, and are continuous bearers from early in the season till late in the fall. A splendid variety for market and the best of all for the shipper and family garden. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. $1.00.

GIANT BUSH SUMMER CROOKNECK. This magnificent strain has been brought about by years of painstaking selection. It is a beautiful bright yellow, and grows to a very large size; very early, and is a most profitable sort of marketing because it grows so quick and large. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 25 cts., lb. $1.00.

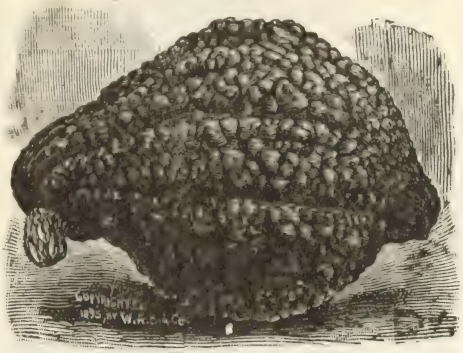


Hubbard Squash

HUBBARD. The standard winter squash, flesh bright orange yellow, fine grained, very dry and sweet, rich flavored; keeps perfectly good throughout the winter; boils or bakes very dry, and is esteemed by many to be as good baked as the Sweet Potato. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

SIBLEY, or PIKE'S PEAK. The shell is pale green in color, very hard and flinty. The flesh is solid and thick, orange in color, being dry and rich. The squashes range from eight to eleven pounds. The vine is vigorous and hardy. In its keeping qualities it excels all, constantly improving in flavor and quality until the very last. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

FORDHOOK. A fine variety for family use. The flesh is dry and sweet, and the best in quality of all winter squashes. Placed in a cool, dry room, keeps in perfect condition throughout the winter and spring. Matures early, and is everywhere a sure cropper. The meat is very thick, and seed cavity small. Another feature is that the green squashes can be used at any stage of their growth. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.



Warted Hubbard Squash

WARTED HUBBARD. This Squash is considered the best strain of Hubbard. It combines the fine points of the original strain with larger size, harder shell, improved quality, thicker flesh, finer color, stronger constitution. In short it is unapproachable as a winter Squash. The color is almost black, all looking alike, and with a dense covering of knots—hence the name of "Warted." Their handsome appearance appeals strongly to customers. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

THE PAXON. A distinctive feature of this Squash is, when ripe they vary in color, some being a pale yellow, while others are mottled green. The flesh is a deep orange yellow, seed cavity very small, shell thin, but squashes are hard and solid. It is one of the best squashes ever tasted, sweet and dry, and for squash pies it must be tried to be appreciated. It matures early and is one of the best winter squashes, being a very late keeper. It is the only squash that every specimen is of good quality without regard to size or whether it is ripe or green. It is enormously productive, and of medium size. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

MAMMOTH CHILI. This is the largest variety known, and under favorable conditions and in a rich soil it often grows to weigh from 100 to 200 pounds, and specimens have been grown to weigh 300 pounds. Excellent for stock; very productive. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

GOLDEN HUBBARD. A sport from that old standard of excellence, the Hubbard, it is a perfect type of its parent except in color which is a bright deep orange yellow. Flesh deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry, of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the old variety. In everything except color and yield it is a counterpart of that old favorite the Hubbard. Its superior keeping qualities combined with its sweet, rich flavor, attractive color and shape, are bound to make it a popular Fall and Winter variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

I planted a bed with Cole's Superb Pansies in the year 1906. They were the finest bed of Pansies in the neighborhood and were the admiration of every one passing along the road.—Miss Ella Bushnell, Iowa Co., Iowa.

TOMATO

Ger. *Liebesapfel.* Fr. *Tomatoe.*

One ounce will produce about 2500 plants.

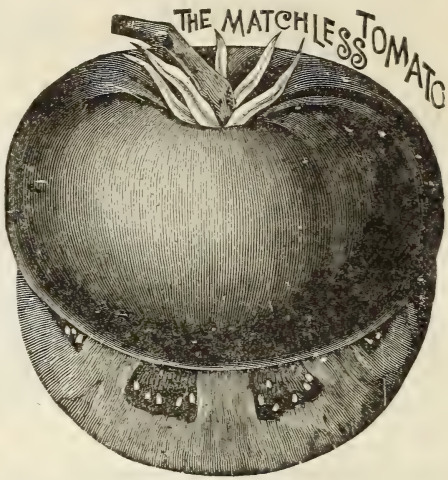
Sow in hot-bed in March or April, or for want of hot-bed in window-pots or boxes, or in a warm border on the south side of a fence by the last of April or first of May. Thin to 3 or 4 inches to keep them low and stocky, and when frosts are no longer to be feared, transplant to 4 by 4 feet apart. Hoe often and earth up a little until the plants are a foot high, when they must be supplied with supports, or be allowed to spread on the ground. Our Tomato seed is all saved with great care, and will please the most critical.

Early Jewel Tomato

CHALK'S EARLY JEWEL. A large, smooth, and the finest flavored extra early bright red Tomato. It is so hardy and vigorous in growth that a very early planting can be made in the open ground. The plants are well furnished with strong healthy foliage which protects the fruits from sunscald, and enables the plants to perfect an enormous crop. The fruits are very deep through from stem to blossom end, the solid flesh is entirely free from hard core, free from rot and do not crack open in wet weather. Comes highly recommended. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

PONDEROSA. The largest Tomato grown. Twelve specimens have been exhibited that weighed 16½ pounds, and one monster tipping the scale at nearly four pounds. The vines are strong and vigorous, its massive fruits are very free from ridges. The skin is very firm, making it a fine variety for shipping purposes. It has remarkably solid flesh and is almost seedless; of dark rich crimson color; its flavor is delicious, whether used raw or cooked. Per pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.

ENORMOUS. This grand Tomato proves to be all that was claimed for it. It is not early, but simply the best main crop tomato ever put on the market, and is bound to receive unstinted praise from everyone. With select specimens it takes but eight to fill out a yard; this means, of course, that the tomatoes must average 4½ inches in diameter. The tomatoes are very smooth, solid meated, good keepers, and are every way of excellent quality. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.



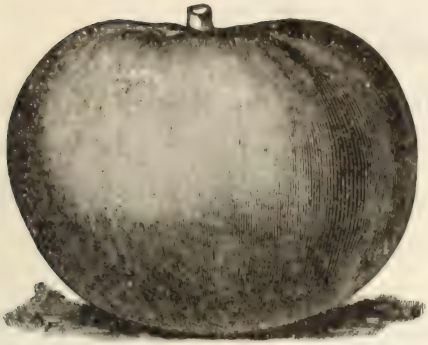
MATCHLESS. This tomato is matchless in form, the skin being so tough that if picked when ripe they can be kept in good condition as long as ten days. It is a strong grower and productive, producing fruit of large size. The fruit is very free from core. Color, rich cardinal red. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

THE STONE. This variety is very large, and of bright scarlet color; very smooth, ripening evenly to the stem without a crack, exceedingly solid, is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

DWARF CHAMPION. This variety is dwarf and compact in habit; it stands up well, even when loaded with fruit; having a stiff, bushy stem, can be planted close together; very early. It is always smooth and attractive in appearance; the skin is tough and the flesh solid. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

DWARF STONE. This is a large fruited dwarf or bush Tomato. The growth is stiff and erect, fruit averages nearly as large as the Tall Stone and ripens earlier. The fruits are produced in clusters of three to five. The strong upright habit of growth permits of close planting, about 24 inches apart. The shape of fruit is smooth, free from cracks about the stem, grows solid, ripens evenly and is of excellent quality, and of a bright scarlet color. Per pkt. 5 cts., oz 25 cts., ¼ lb. 75 cts.

DWARF GIANT. This variety is the largest fruited of all Dwarf Tomatoes. The fruits are gigantic in size and are uniformly throughout the season. The color is deep rich purple-crimson. It is the most meaty of all tomatoes. The firm, fine-grained flesh extends to the very center, with no trace of a core. Of rich, sweet, delicious flavor, entirely free from acidity. It is uniformly of compact bush-like growth, with thick heavy stalks to hold up the heavy crop of fruit. It is mid-season, or a main crop tomato. Per pkt. 5 cts., oz. 35 cts., ¼ lb. $1.25.



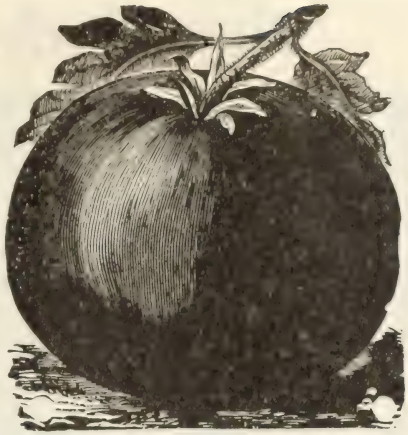
Excelsior Tomato

WHITE'S EXCELSIOR. This fine variety is the best purple tomato. The vines are the largest, strongest growers of any, bear the greatest crops, and continue bearing until frost. The fruits are large, smooth and nearly solid, with but few seeds; color dark glossy or purple red, ripen up evenly around the stem, no green spots or hard core. One of the best shipping varieties, as it stands up well. In quality and flavor cannot be surpassed. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

LIVINGSTON'S BEAUTY. Early, of smooth form, free from rot, keeps and carries well. In color, a rich, glossy crimson. It is valuable for market from its solidity, toughness of skin, and from the fact that it will ripen up well when picked green. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

YELLOW FIG, or YELLOW PLUM. Recommended especially for pickles and preserves. Fruit uniformly oval, lemon-colored and smooth-skinned. Per pkt. 5 cts., oz. 25 cts.

GOLDEN QUEEN. A yellow variety of first-class quality; large, smooth, solid, and productive; has very little acid, flavor excellent. None better for slicing and preserving. Sliced with one of the red sorts it makes a pleasing appearance. Per pkt. 5 cts., oz. 25 cts.



Livingston's Perfection Tomato

LIVINGSTON'S PERFECTION. An early variety of considerable merit, of a blood-red color, round in shape, perfectly smooth, and very solid; ripens uniformly, and bears abundantly until frost comes; free from seeds, and for canning purposes it surpasses any hitherto offered. Per pkt. 5 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

HUSK TOMATO

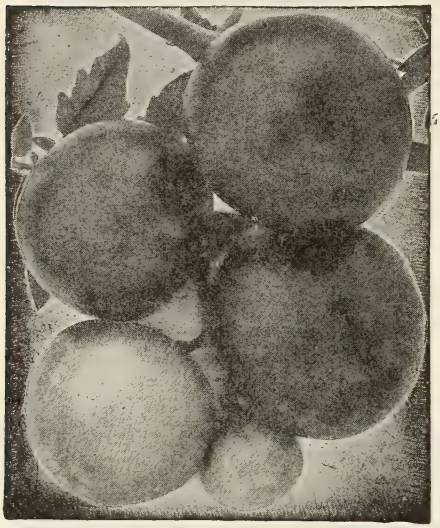
IMPROVED GROUND CHERRY, or STRAWBERRY. Grows enclosed in a husk, excellent for preserves; will keep within husks all winter. This is well worth growing for preserves, both on account of its fine quality and immense productiveness. The fruit has a pleasant strawberry-like flavor, and is much esteemed and by some considered indispensable for pies, sauces, etc., both green and dry. With the addition of lemon juice it is frequently preserved like plums as well as stewed and served like cranberries. Per pkt. 5 cts., oz. 25 cts.

Spark's Earliana Tomato

The Earliest Large Smooth Tomato Grown

This new and valuable Tomato comes from a well-known New Jersey market gardener. It is claimed to be a full week ahead of all others. The past season in our trial grounds side by side with all the leading so-called early kinds, it was several days ahead in ripening. This tomato is not only remarkable for its earliness, but for its large size, handsome shape and bright red color. Its solidity and fine quality are equal to the best medium and late sorts. Price per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

New Early June Tomato



The Greatest New Tomato in Twenty-five Years, Earlier than Earliana, as Smooth and Highly Coloured as Stone, as Meaty, Solid and Seedless as Ponderosa

This strong claim is made by the introducer of this variety. This statement can be backed up with tests made in different states. The past summer we made comparative tests again with some of the earliest varieties lately introduced and the Early June came out ahead by full three days over all. It is a heavy yielder and holds up its size till near the end of the season.

This Tomato originated with the Rev. W. H. Rust, who lives in Northern Missouri. For several years he has been trying to get a Tomato that would be earlier and better than anything else in the list. The Early June Tomato is the result of his 20 years' patient experimenting.

Here is Rev. Rust's brief description of this variety: "I believe it to be the earliest of all. Not only is it early, but large. In color it is crimson red and very attractive. It is almost seedless, the flesh thick and firm, and the flavor delicious. I have marketed it here for four years past and have never had a complaint on quality, and have received an average price of 5½ cts. per pound for the whole season.

Price per pkt. 10 cts., 2 pkts. 15 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. $1.00.

LIVINGSTON'S NEW CORELESS

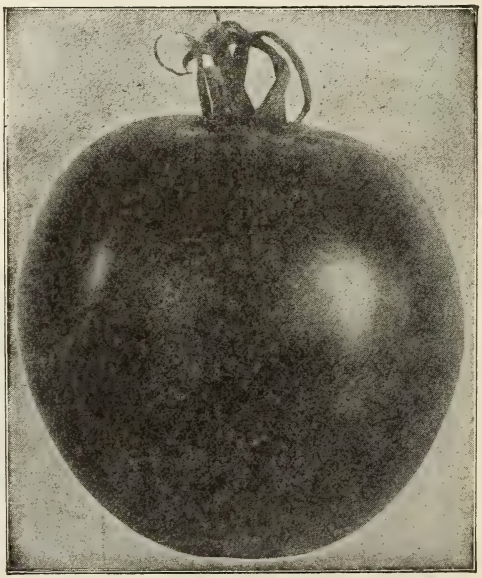
TOMATO

The Most Perfect Shaped Canning Variety Ever Produced. Large Size Globe-Shaped, Full at Stem End Bright Red, a Strong Grower and Big Cropper

In shape it is almost round, being of about the same diameter each way as shown in our illustration. The depression at the stem end has been almost eliminated, making it the most profitable variety for canning, owing to a very small amount of waste. It is immensely productive, clusters of four to seven fruits are produced at six to eight inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large, twelve to fifteen ounces. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy meaty and delicious flesh.

The strong outside and inner walls of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping.

Price per pkt. 5 cts., ½ oz. 15 cts., oz. 25 cts., ¼ lb. $1.00.

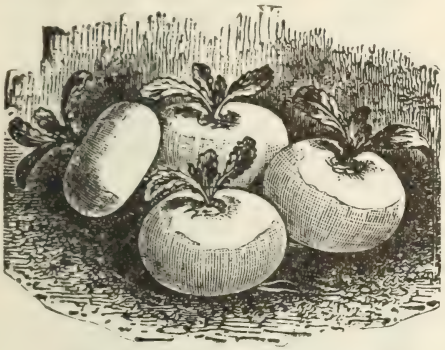


TURNIP

Ger. *Steckrube.* Fr. *Navet.*

One ounce will sow 200 feet of drill.

For the spring crop sow the different early kinds as early as the seed can be got into the ground in drills 14 inches apart, and thin to five or six inches. For the fall or main crop, sow, at the north, from the middle of July to the last of August, in drills as directed for the spring sowing. In the field the turnips are more generally sown broadcast though much the larger crops are obtained by drill culture. Always sow your Turnips as soon after a rain as the ground can be raked, or harrowed fine if possible. If sown before a heavy rain there is formed a crust which generally smothers the sprouting seed. One pound is sufficient to sow an acre. Our Turnip and Ruta-Baga Seed is grown from selected roots and is of excellent quality.



Early White Milan Turnip

EXTRA EARLY WHITE MILAN. This takes the first rank for its earliness and beautiful shape. It grows with wonderful rapidity and is the earliest White Turnip in cultivation. Of splendid quality, small top and single tap-root, it is most attractive with clear white skin and flesh; fine grained and tender. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

EXTRA EARLY PURPLE MILAN. One of the earliest varieties, two weeks earlier than Red Top Strap Leaved. The bulb is flat, of medium size, smooth, with a bright purple top, pure white skin and flesh is of excellent quality, being hard, solid, and fine grained; it is an excellent keeper. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.50.

EARLY WHITE FLAT DUTCH. A very popular market variety. Grows quickly, comes early, clear white skin and flesh of juicy, mild flavor and excellent quality. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

EARLY WHITE EGG. A variety for early or fall sowing; flesh white, fine grained and sweet; very large, perfectly smooth and pure white. An extra keeper, and in every respect a first-class variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

PURPLE TOP WHITE GLOBE. One of the best varieties grown. Of large size and very rapid growth; globe-shaped bulbs with purple top; fine quality. Very handsome and most attractive for market. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

RED TOP STRAP-LEAVED. This is the leading variety for main crop; form roundish or flat, medium size, small top; few leaves which are entirely upright; tap root small, color red or purple above ground; one of the best for family use, either spring or fall. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

GOLDEN BALL. It is the best of the Yellows for a fall crop; is very solid and of good flavor; flesh bright orange; of a globe form, and keeps well; an excellent table variety. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

YELLOW ABERDEEN. Very hardy and productive, bulb globular, flesh tender, sweet, and a good keeper. Good either for stock or table use. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

RUTA-BAGA, or Swede Turnip

The Ruta-Baga, Swedish or Russian Turnip, is extensively grown for a farm crop; the roots close-grained, very hard, and will endure a considerable degree of cold without injury. The roots are best preserved in a pit or cellar during the winter, and excellent for the table early in spring. Sow from middle of May to middle of June in drills two feet apart, and thin out or transplant to eight or ten inches.

BREADSTONE. They are medium size, very quick growing, the roots are smooth, white, with faint green top. The flesh is perfectly white, fine grained, remarkably tender and very sweet; it is the finest table turnip for winter and spring use we have ever seen. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.10.

IMPROVED AMERICAN. This variety is largely grown in this country, both for the table and feeding stock; flesh very solid; fine quality; keeps well until summer. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

CARTER'S IMPERIAL HARDY. A most excellent sort for either table use or feeding stock; flesh yellow, solid, firm, sweet and rich, it is a hardy sort, yields enormously, a good keeper, and one of the best. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

SWEET GERMAN. This variety is very popular among gardeners. Shape smooth and regular, flesh pure white, of extraordinary solidity, very sweet, mild and well flavored; retains its freshness until spring; as a table variety must be classed among the best. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.00.

I had splendid success with your seed last year. With the backward spring, dry weather and early frost the Early June was the only tomato that ripened with us. Your seeds can be depended on at all times.—Mrs. W. H. Mosher, Huron Co., Mich.

POT, MEDICAL and SWEET HERBS

A few pot and sweet herbs (for flavoring soups, meats, etc.) are indispensable to every garden, while some of the medicinal herbs will also be found very useful. Herbs in general love a mellow and free soil. Sow early in spring, in shallow drills, one foot apart, and when well up thin out or transplant from six to ten inches apart. Care should be taken to harvest them properly. Do this on a dry day just before they come into full blossom; dry quickly in the shade; pack close in dry boxes to exclude the air entirely.

Those marked with a (*) are perennial, and when once obtained in the garden may be preserved for years with little attention.

ANISE. Used for cordial, garnishing and flavoring; the seeds have an agreeable aromatic taste. Per pkt. 4 cts., oz. 10 cts.

BALM. The leaves have a fragrant odor and are used for making a pleasant beverage known as balm wine, also for balm tea, for use in fevers. Per pkt. 4 cts., oz. 20 cts.

BASIL SWEET. The leaves are used for flavoring soups, and highly seasoned dishes. Per pkt. 4 cts., oz. 20 cts.

CARAWAY. Grown for seeds, which are extensively used for flavoring bread, pastry, soups, etc. Per pkt. 4 cts., oz. 10 cts., ¼ lb. 25 cts.

CORIANDER. The seeds are used in the manufacture of liquors, in confectionery, and a great number of culinary preparations. Per pkt. 4 cts., oz. 10 cts., ¼ lb. 25 cts., lb. 75 cts.

DILL. The seeds have an aromatic odor, and warm, pungent taste. They are used as a condiment, and also for pickling with cucumbers to heighten the flavor. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. $1.25.

***HOREHOUND.** This herb is a favorite remedy in pulmonary complaints. It enters largely into the composition of cough syrups and lozenges. Per pkt. 5 cts., oz. 25 cts.

HYSSOP. The leaves and flower stalks are used medicinally; it is a stimulant and expectorant, and employed in humoral asthma and chronic catarrh. Per pkt. 4 cts., oz. 25 cts.

***LAVENDER.** It is cultivated for its fragrant spikes of flowers which are used for the distillation of Lavender Water. Being dried and put up in paper bags, they are also used to perfume linen. Per pkt. 5 cts., oz. 20 cts.

MARJORAM SWEET. The leaves and ends of the shoots are highly esteemed for seasoning, both in summer and dried for winter use. Per pkt. 5 cts., oz. 20 cts.

SAFFRON. The flower is the part used medicinally, which should be picked while in full blossom and dried for use. Per pkt. 4 cts., oz. 10 cts.

***SAGE BROAD-LEAVED.** The most extensively used of all herbs for seasoning and dressing; indispensable. Per pkt. 10 cts., oz. 35 cts., ¼ lb. $1.00.

SUMMER SAVORY. The plant is aromatic. The tops are used either green or dry, in stuffing meats, also for salads and soups. Per pkt. 5 cts., oz. 20 cts.

***SWEET THYME.** A medicinal and culinary herb. The young leaves and tops are used for soups, dressing and sauce, either green or dry. Thyme tea is a cure for nervous headache. Per pkt. 5 cts., oz. 25 cts.

SORREL FRENCH. The leaves, having an acid taste, may be employed in salads; it is used principally for soups, and is sometimes cooked, as Kale or Spinach. It makes a good dish. Per pkt. 5 cts., oz. 10 cts.

***WORMWOOD.** Used medicinally, and is beneficial for poultry; should be planted in poultry yards. Per pkt. 5 cts., oz. 25 cts.

CARAWAY SEED. For flavoring. Per oz. 5 cts., ¼ lb. 15 cts., lb. 50 cts.

TOBACCO

One ounce will sow 30 feet square and produce plants for one acre.

The seed should be sown very early in the spring, as early as possible after the danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring, on the ground intended for the seed bed; then dig and thoroughly pulverize the earth and mix with ashes, after which the seed may be sown and covered very lightly. When the plants are about six inches high transplant into rows 3½ feet apart each way, and cultivate thoroughly with plow and hoe.

An essay entitled "Tobacco Culture" by mail prepaid for 25 cts.

PRIMUS. This early tobacco grows rapidly. The leaves are large and long, fibre fine and yields heavy crops of extra fine quality. The plants stand up well; the leaves, somewhat close together. Its early ripening renders the product less liable to frost. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

SWEET ORONOKO. This variety makes the sweetest, best and most substantial "Fillers," and makes, when sun-cured, the best natural chewing leaf. The favorite for the "homespun" wherever known. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

CONNECTICUT SEED LEAF. An old, well-known variety. Per pkt. 5 cts., oz. 25 cts., ¼ lb. 75 cts.

HAVANNA. Heavy cropper, delightful flavor, fine texture, much used for cigar making. Per pkt. 5 cts., oz. 25 cts.

IMPROVED WHITE BURLEY. Seed of this fine strain is grown on the famous limestone fields of Tennessee. Well-known standard main crop variety of great merit. A mild and sweet tobacco. It is extra fine for manufacturing in nearly every manner that tobacco is used. Per pkt. 5 cts., oz. 25 cts., ¼ lb. $1.00, lb. $3.50.

SPANISH PEANUTS

A very desirable variety because it is early and a good bearer; the peas hang to the root and can be rapidly gathered. The pea is smaller than the Virginia Peanut, but fills out well. This variety can be grown IN THE NORTH and has yielded abundantly. Plant as soon as the ground becomes warm, from two to three feet apart each way, four to five to the hill, covering two or three inches. The soil should be deep and mellow, and well broken up so as to be ready for planting soon after frost is over. April is a suitable time. They produce 25 to 70 bushels per acre, and are as easily cultivated as corn. Per pkt. 10 cts., pt. 25 cts., qt. 40 cts.

SUNFLOWER SEED

MAMMOTH RUSSIAN. Sunflower seed is the best egg-producing food known for poultry; they eat it greedily, keeping them in fine condition, and fatten well on it. It is also being planted in low ground and around drains as a preventive of malarial fevers. It can be planted on any waste piece of ground from first of May to first of July. Plant in hills 3 feet apart. It takes 4 lbs. of seed to plant one acre. Oz. 5 cts., ¼ lb. 15 cts., lb. 35 cts.; by express, 10 lbs. $2.50.

Selected Farm Seeds

We make a specialty of the best and new improved varieties of **Farm Seeds**, and offer a select list of **Seed Corn, Potatoes, Grass** and **Clover Seeds, etc.** All our **Seeds** are selected, recleaned with special care and of the finest quality possible. We only offer the highest grades of **Grass Seed** at reasonable prices.

PRICES: Owing to the unsettled condition of the market in the Fall, when our Seed Catalogue is prepared, no firm prices can be quoted on Clover, Grass, and Field Seeds. Wil' be pleased to quote prices by mail at any time during the season on application.

SHIPPING: Everything that is quoted by the packet or pound is sent by mail prepaid. Larger quantities are sent by freight or express, charges to be paid by the purchaser. No charge for bags, boxes or delivery to depot. Always state which way you want **Seeds** shipped, giving name of railroad or express company.

Our Choice and Best Grades of Clover, Grass and Farm Seeds, meet fully the requirements of the new **Iowa Pure Seed Law,** in purity and vitality, and had samples of it analyzed and tested by the U. S. Experiment Station.

BUCKWHEAT

NEW JAPANESE. The kernel of this new buckwheat is nearly twice as large as the common kind; the straw is stouter and heavier; it branches more and does not need to be sown as thickly; the flour made from it is equal to that from any other buckwheat; it is a very heavy cropper; farmers are enthusiastic in its praises. It is less apt to blight than other varieties. We consider the Japanese Buckwheat to be far ahead of all other kinds. So far it outyields the old Gray or Silver Hull two to one. Per lb. 20 cts., 3 lbs. 50 cts., not prepaid, pk. 65 cts., bu. $2.50.

BROOM CORN SEED

IMPROVED EVERGREEN. One of the best for general culture, ripens early; grows 8 to 9 feet high, finest brush, never crooked, good length. Plant in hills 18 inches apart in the rows and the rows three feet apart. Requires similar land and later planting than corn. Per lb. 20 cts., 3 lbs. 50 cts., pk. $1.00, bu. $3.50.

FIELD PEAS

Every year there is more inquiry by a number of our best farmers for Field Peas. Peas stand in the front rank as a fodder crop, especially for hogs. They can be fed green or dry. As a fertilizer they come next to clover, to be plowed under when they commence to blossom; they will grow on land that will not produce clover. Sow 1½ to 2 bushels to the acre, or, if with oats sow 1 bushel of each. Do not sow on rich ground—will make too much vine.

CANADA FIELD PEAS WHITE. This is a standard sort; seeds white in color. Per pk. $1.25, bu. $4.50.

CANADA FIELD PEAS GREEN. Like above except that the color is green. Per pk. $1.25, bu. $4.50.

COW PEAS

Cow Peas belong to the bean family. They require a full season to mature a crop. It is highly valued as a fodder crop, but more so for reclaiming poor and worn-out soil. Plowed under green it is the greatest fertilizer and soil improver we have. Poor, sandy and worn soil may be brought up to full fertility again by plowing under a few crops of the Cow Peas.

The seeds must not be sown until the soil has become thoroughly warm. They can be sown broadcast before the last plowing of corn if wanted for green feed. If wanted to plow under for manure, sow in drills one foot apart. If grown for fodder or for the seed, plant in rows 3½ feet apart and cultivate thoroughly. For fodder or seed purposes it takes ½ bushel seed per acre, for manure to plow under 1½ bushels per acre must be sown. If sown for fodder broadcast it will take 1 bushel per acre.

WHIP-POOR-WILL. This is a most popular variety and yields a good crop of both fodder and peas. Much used as a fertilizer. Per pkt. 5 cts., pt. 20 cts., qt. 35 cts., by freight, pk. $1.25, bu. $4.00.

NEW ERA. The earliest variety and the best for growing in the northern states, it has matured in 60 days and has done well as far north as Minnesota. Per pkt. 5 cts., pt. 20 cts., qt. 35 cts., by freight, pk. $1.25, bu. $4.00.

SCHROCK-KAFFIR-SORGHUM

A New Forage Plant which will no doubt prove of great value in many sections. It has made good in the Southwest for the last few years where it has been thoroughly tested. The stalks are sweet. Cattle eat it down to the roots. It is uniform in height, 3½ to 4 feet; it makes fine leafy hay when sown broadcast and can be handled with the wheat binder or cut with a mower. All kinds of stock like the ensilage of this fodder plant.

It matures earlier than Cane and Kaffir, seldom yields less than 50 bushels of seed and three tons of hay per acre. Is very stalky and a great stooler. Great drouth resister.

The seed should be sown in rows 3 feet apart; 3 lbs. of seed is sufficient to plant an acre. For best results it should be planted as early as corn. If planted early it will make many more stalks and heads on every plant. Plant the seed 2 inches deep. If cultivated be sure to run cultivator shallow.

Mr. Schrock, the introducer, has never seen it dry enough to burn it up. Let this grain stand until frost. The seed from ripe heads will not shatter nor the stalks fall or lodge. For forage it can be sown broadcast at the rate of 50 lbs. per acre. Will not heat in the stack.

Price by mail, prepaid, per lb. 25 cts., 3 lbs. 65 cts.; by express, 10 lbs. $1.00, 25 lbs. $1.50, 100 lbs. $5.00.

FETERITA

A new variety of the Durra group, introduced from Soudan, Africa, by the United States Agricultural Department. It produces a stalk of medium height in size, bearing ten to twelve leaves and a large head well filled with bluish white seed.

The grain is larger than Milo and softer than Kaffir. Its feeding value is equal to either Kaffir or Milo. Feterita is an excellent drouth resister. It stands erect, branches out from the root and matures 2 to 3 weeks ahead of Kaffir, yields from 40 to 60 bushels per acre. Feterita is bound to become one of the most important crops of this western country.

Per pkt. 5 cts., ¼ lb. 10 cts., lb. 25 cts., 3 lbs. 65 cts., postpaid, by express or freight, 10 lbs. 75 cts., 25 lbs. $1.25, 100 lbs. $4.00.

KAFFIR CORN

An excellent fodder plant for the farmer. The heads are long and perfectly erect, well filled with white grain. The average height of growth on good strong land is five to six feet. The seed heads grow from ten to twelve inches in length, and the produce of grain on good land easily reaches fifty to sixty bushels per acre. The whole stalg, as well as the blades, cures into excellent fodder. Can be sown broadcast at the rate of ½ bushel per acre, but does best sown in drills three feet apart, using 5 to 6 lbs. of seed per acre. Cover seed an inch deep, sow when weather is settled and ground is warm. Per pkt. 5 cts., ¼ lb. 10 cts., lb. 20 cts., 3 lbs. 50 cts.; by freight, 10 lbs. 75 cts., 25 lbs. $1.25, 100 lbs. $4.00.

Amber Cane for Fodder

Dairy farmers and stock raisers find this a most valuable fodder plant. It can be used as a pasture crop for cattle, sheep and hogs, during the summer season. As a fodder crop it furnishes an enormous quantity of rich succulent food and it has been found excellent for milk production. It can be sown as late as the middle of July, but during June is the best time to sow, broadcast, 100 lbs. per acre. Have soil fine and mellow and harrow in. Harvest as late as possible, but avoid hard frost for best results, let it dry for a week or 10 days, after which it may be put in shocks weighing from 400 to 500 lbs., and allowed to stand until fed.

Price, 10 lbs. 75 cts., 25 lbs. $1.25, 100 lbs. $3.00, bags free. SPECIAL RATES ON LARGE QUANTITIES.

SUGAR CANE SEED

Early Amber

This popular variety has nearly taken the place of all other sorts. It is the earliest variety, and produces the finest quality of rich, clear amber syrup. It succeeds well both North and South. Culture and time of planting about the same as corn, and may be planted as late as the middle of June. It can be planted in hills, or drilled for the heaviest crop. Cover seed about one inch deep. Two or three pounds of seed are required per acre. Select the thinnest soil and highest part of your farm for sorghum. On this land it is not so likely to fall down in wet seasons, and produces the sweetest and clearest sorghum. Clay soil is preferable.

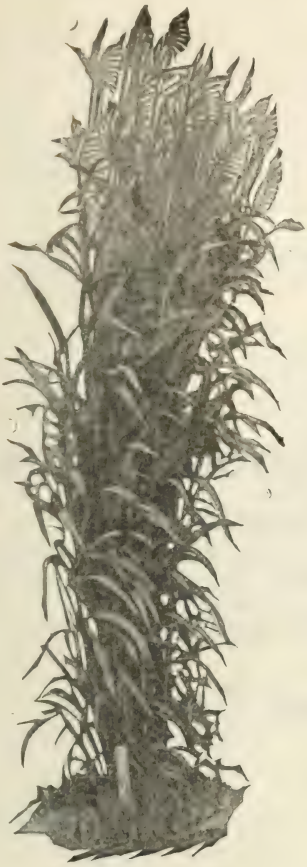
Pure Select Northern Grown Seeds for Sorghum. Per lb. 25 cts., 3 lbs. 60 cts., by express, 10 lbs. $1.00, 25 lbs. $2.00, 100 lbs. $8.00.

LARGE QUANTITIES

If large quantities of Field Seeds are needed, send for special prices. Often later in the season if there should develop to be a surplus in any line of seeds we may be able to make better prices to advantage in such a case.

Sudan Grass

A New Forage Crop of Immense Value to the Middle West



SUDAN GRASS was introduced into the United States in 1909 from Africa. After thorough tests in all parts of the United States the Department of Agriculture reports that Sudan Grass will be of the greatest value in the Central States, especially in those portions that are deficient in rainfall during summer. These dry regions have no other satisfactory hay crop and Sudan Grass will be of immense value there.

Sudan Grass is an annual and dies each year like Millet, so there is no danger of spreading over your land like Johnson Grass will do. It grows tall, reaching a height of about seven feet; the stems are very small and rarely thicker than a lead pencil. The plants stools wonderfully and produces under favorable conditions as many as 100 stalks from a single root.

Sudan Grass yields a good crop of first-class hay, all stock relish the hay and thrive on it, the quality of the hay is superior to millet. Yields of from two to four tons per acre are common and under favorable conditions, six to eight tons per acre have been grown.

Sudan Grass should not be planted until soil has become warm. It can be sown any time during the summer as a catch crop.

It can be sown in rows 18 to 36 inches apart and cultivated, or can be drilled with a grain drill or sown broadcast by hand.

Seeded in rows, it takes from 3 to 6 lbs. per acre, depending on the width of row; drilled or broadcast, from 12 to 15 lbs. is used.

Sudan Grass is easy to cut with a mower and cures readily like millet. For hay it is best to cut just after full bloom and will give it more time for a second growth, and in 40 to 50 days another cutting is ready. Ordinarily two to three cuttings may be expected when season is long enough. Every farmer in the middle west should experiment with an acre or so to give it a thorough trial the coming season.

Price per pkt., 5 cts.; ¼ lb., 10 cts.; lb., 25 cts.; 3 lbs., 70 cts., by mail. By express or freight, 10 lbs., $1,25; 25 lbs., $2.50; 100 lbs., $ 8.00.

Medium or Common Red Clover

Cole's "Iowa Brand"

High Grade, Recleaned, Pure Clover Seed is One of Our Specialties

For this grade we buy the best and purest Iowa grown seed and then thoroughly reclean it, so it will be the plumpest, brightest, and cleanest seed to be had.

We make a specialty of shipping direct to the farmer and our seed has become widely known for its purity, strong vitality, vigorous and healthy growth, and entirely free from foul weeds.

Many fields are filled with noxious weeds from sowing impure clover and timothy seed, but farmers are getting more particular and demand pure seed. You run no risk in sowing our "IOWA BRAND" Recleaned Seed.

Beware of cheap imported seed as this is generally infected with Thistle, Dodder, Plaintain, Mustard, etc. Insist on American grown Seed, and also on a purity test in buying Clover and Timothy Seed.

Both grades offered by us will meet all requirements of the Iowa Pure Seed Law in purity and vitality We have identical samples of this Seed tested and analyzed by the U. S. Experiment Station and also the Iowa State Station at Ames.

Write for prices as they change constantly and we cannot make a price that will hold good during the season.

But will always send as much as the money will pay for at market prices.

Cole's "Iowa Brand" Fancy Grade

The purest and best the market affords. Per lb. by mail 40 cts., 3 lbs. $1.00, about $13.00 per bushel, bags included.

Choice Seed

Our second grade, not quite as pure, bright or plump; about $12.50 per bushel, bags included.

Cole's "Iowa Brand" Timothy Seed

Iowa Grown High Grade Timothy Seed

Is also one of our specialties to supply direct to the farmers. Our Fancy Grade of Seed is pure, clean, plump and of strong vitality and but little hulled.

Iowa grows more Timothy Seed than any other state. We select the best quality and thoroughly reclean this so it is free from noxious weeds and impurities.

Like with our Clover Seed you run no risk to sow this Seed and will fully meet all requirements of the Iowa Pure Seed Law, as we had both grades tested and analyzed at U. S. and Iowa State Experiment Stations.

Cole's "Iowa's Brand" Fancy Grade

The purest and best the market affords. Per lb. 25 cts., 3 lbs. 60 cts., about $3.50 per bushel, bags included.

Choice Seed

Our second grade, not quite as pure, bright or plump and more hulled. About $3.25 per bushel, bags included.

Sweet Clover, White Blossom

This Clover is especially adapted for bee pasture, and whoever keeps bees should not fail to put in at least half an acre. The last few years farmers have been experimenting with it and they find it is a great soil improver and fine for stock when young and tender, almost as valuable as alfalfa and much easier to grow. It is claimed this clover will not bloat cattle. It is now being used in spring soing as a nurse crop which makes fine pasture in fall and adding to the fertility of the soil. It roots very deeply, opening up the soil, so as to adapt it for all other crops and especially for alfalfa. Sown early in spring it makes the finest hog pasture. We offer only the best recleaned and scarified seed which will give you a much higher per cent of germination than untreated seed. Sow 10 lbs. per acre in spring. Per lb. 40 cts., 3 lbs. $1.00, by mail; by freight, pk. $2.25, bu. $9.00.

YELLOW FLOWER. Very similar to the White Flowered, but blooms a little earlier. Not so rank and coarse and more dwarf in growth and for this reason many think it is superior for hay and pasture. Per lb. 40 cts., 3 lbs. $1.00, by mail; by freight, pk. $2.25, bu. $9.00, bags included.

Crop of Clover and Timothy very good. Price lower. Subject to change of market prices and sample on application.

CLOVER SEED

Prices Subject to Change of Market

But purchasers may depend on it that we always will send as much as the money received will pay for. Prices by the bushel on application.

MAMMOTH. Resembles Medium, but coarser. Best for pasture and as a fertilizer, but not as desirable for hay. Per lb. 50 cts., 3 lbs. $1.40.

ALSIKE, or SWEDISH. Intermediate between the Red and White Clover, possessing qualities common to both, being productive, sweet, and permanent, has fibrous roots like White Clover. Is valuable for pasture when mixed with other grasses, and is annually growing in favor among farmers. Esteemed highly for bee pasture, and best for sowing in sloughs. Sow six pounds to the acre. Per lb. 40 cts., 3 lbs $1.10.

WHITE DUTCH. Grows in a great variety of soils and situations. Indispensable for pastures, lawns and bees. Sow early in spring 4 to 6 pounds per acre. Per lb. 75 cts., 3 lbs. $2.00.

ALFALFA or LUCERNE. The value of Alfalfa on any farm is generally recognized at present, as a valuable fodder plant for hay for all kinds of stock. Its strong points are permanency, heavy yield in dry seasons, and its great feeding qualities. It thrives best on rich, light, dry soil, deeply plowed and well prepared; on sour soil an application of a couple tons of limestone is a great aid to alfalfa. A crop of Sweet Clover will also prepare soil in fine shape. Sow in April and May for spring, and in August for fall, at the rate of 15 lbs. per acre. Our stock is choice recleaned northern grown and acclimated seed. Per lb. 40 cts., 3 lbs. $1.00, postpaid; by express or freight, bags included.

MILLET

GOLDEN MILLET. Medium early, will grow in any climate or soil; the yield in hay or seed is large. Grows from four to six feet high: seeds golden yellow. For seed sow from May 1st to June 15th; for hay, broadcast, until the last of July. Half bushel will sow an acre. Per lb. 20 cts., 3 lbs. 50 cts., pk. 75 cts., bu. $2.50.

SIBERIAN MILLET. A new variety from Russia, earlier than either German Millet and Hungarian, wonderfully productive, the hay is finer than of other varieties, stalk more elastic and growing about 4 feet high; it is rust proof and being of stooling habit requires less seed. The South Dakota Experiment Station pronounces it the most promising variety yet tested. Price per lb. 20 cts., 3 lbs. 50 cts., by freight, pk. 75 cts., bu. $2.50.

JAPANESE MILLET. Called Billion Dollar Grass. It has proven an enormous yielder in all parts of the country. It is entirely distinct from any other. It will grow 6 to 8 feet high and yield 12 to 15 tons per acre. Cattle and horses eat it greedily, fed green or cured into hay. Sow in May or June broadcast, 12 lbs. or in drills 8 lbs. per acre. Per lb. 25 cts., 3 lbs. 60 cts.; by freight, pk. $1.00, bu. (40 lbs.) $3.50.

COMMON MILLET Earlier and makes finer hay than the Golden, but not so heavy a yielder, does best on rich soil. Per lb. 20 cts., 3 lbs. 50 cts., by mail prepaid; by freight, pk. 75 cts., bu. $2.50.

GRASS SEED

Prices Subject to Change of Market

But purchasers may depend on it that we always will send as much as the money received will pay for.

KENTUCKY BLUE GRASS. Also known as June Grass. The best pasture grass for our soil and climate, succeeding finely on our hill lands, and producing the most nourishing food for cattle, retaining its qualities to a late period in winter. If sown by itself for pasture from one to two bushels will be required. Sow early in the spring or during the months of September or October. (14 lbs. per bushel).

FANCY CLEAN BLUE GRASS. Per lb. 60 cts., 3 lbs. $1.75, pk. $1.80, bu. $7.00, 5 bu. $34.00.

REDTOP, or HERD GRASS. A valuable permanent grass as a mixture in either meadows, pasture or lawns, growing in almost any soil, moist or dry. It is valuable for low, wet meadows, producing a large return in good hay. Time of sowing and quantity same as Blue Grass. (14 lbs. per bu.). Solid or fancy seed, per lb. 35 cts., 3 lbs. $1.00, pk. $1.00, bu. $3.50. Prime seed or chaff, per pk. 85 cts., bu. $3.00.

ORCHARD GRASS, or COCKSFOOT. Is one of the most valuable of all pasture grasses, coming earlier in spring and remaining later in autumn. It grows about 2½ feet high, producing an immense quantity of leaves and foliage. It stands a severe drouth, and will endure considerable shade, and sends up a thick growth very quickly after being cut. Time to sow and quantity same as Blue Grass. (14 lbs. per bu.). Per lb. 35 cts., 3 lbs. $1.00, pk. $1.00, bu. $3.50.

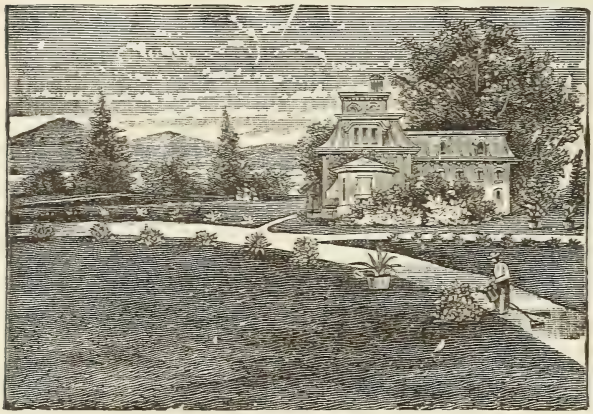
ENGLISH RYE GRASS. This is a nutritious permanent grass for meadows and pasture. It seems specially adapted for pasture, will endure close cropping, and is of strong successive after growth. Produces an abundance of foliage. It succeeds in almost any soil, but gives best results on good corn land. Sow same as Blue Grass. Per lb. 25 cts., 3 lbs. 65 cts.; by freight, pk. 75 cts., bu. (14 lbs.) $2.50, 5 bu. $12.00.

MEADOW FESCUE or ENGLISH BLUEGRASS. Hardy and very valuable for pasture. Starts early in the spring and lasts till late in fall. It grows from 2 to 3 feet high and is one of the earliest, most nutritious and productive of all the grasses. It thrives well on all good soils, makes a perfect sod, and is valuable for permanent pasture. It remains green throughout the summer, when other grasses are all dried up. Sow one to two bushels to the acre. Per lb. 40 cts., 3 lbs. $1.10, pk. $1.25, bu. (14 lbs.) $4.00.

I was very much pleased with all the seed I got from you last year. Grew well in spite of the drought.—Mrs. W. S. Usher, Cherokee Co., Iowa.

Cole's Evergeen Lawn Grass Seed

AN EXTRA CHOICE MIXTURE



Lawn View

In making a new lawn, it is desirable that all tree planting and laying out of flower beds should be accomplished first. The ground should then be thoroughly dug or plowed to the depth of 10 to 12 inches, using liberally well-decomposed manure or "fertilizers." It is also essential for a fine lawn to have proper drainage, a careful preparation of the soil, thorough rolling and a selection of the seeds of such grasses as will present a luxuriant verdure from early spring till late in autumn; and the frequent mowings with a lawn mower. However much care is bestowed on the soil and seed, no lawn will be beautiful without frequent mowing and rolling. We have given much thought, and many experiments to secure the best mixture, and think what we offer is the best possible mixture for permanent lawns, resisting the severe droughts of our climate better than any other. It may be sown very early in spring or fall, and should be sown at the rate of from 3 to 4 bushels per acre. One pound is sufficient to thoroughly sow 800 square feet of ground. It should be borne in mind that, in order to produce the best results, grass seeds for lawns should be sown at least twice as thickly as if sown for hay. Per lb. 55 cts.; 3 lbs. $1.50, pk. $1.75, bu. $6.50.

Alsike Clover and Timothy Mixed

For hay, the Alsike and Timothy Mixture is very valuable on soils too moist for Red Clover. Alsike is suitable for either hay or pasture. It is finer and more leafy than the Red Clover. Many recommend using Alsike in all mixtures of Timothy and Red Clover, as it is more permanent and does not easily winter kill. By freight, pk. $1.75, bu. $6.00.

Grimm Alfalfa

The Grimm or Everlasting Alfalfa is world renowned for its hardiness and productiveness through the Northwest. It has been tried in most all Northern States of the Union and Canada and wherever it was planted it proved one of the hardiest varieties known. No other Alfalfa has such a record of hardiness and drouth resisting qualities and productiveness as the Grimm.

It has the branching root system with small tap root and an underground spreading crown and heavy stooling habit, on this account it takes less seed per acre, about 10 pounds will sow an acre.

Our seed is genuine Grimm grown in the Northwest.

By mail prepaid, per lb. 70 cts., 3 lbs. $2.00; by express or freight, 10 lbs. $6.00, 25 lbs. $15.00, 100 lbs. $55.00.

New White Wonder Millet

The most striking feature of White Wonder Millet is the size of the heads, which will run from ten up to eighteen inches long, and a single head will have as many as 15,000 seeds. The yield of White Wonder Millet is extremely heavy, being fully half again as heavy as that of other Millets. Another desirable feature of the White Wonder is its earliness. The foliage is heavy, the leaves broad and therefore it produces an immense amount of fodder which cures very readily. We believe that on account of the earliness, the immense yield of both grain and fodder, and the vigorous growth which leaves the ground clean, White Wondr Millet will soon take first place among the Millets. By mail prepaid ¼ lb. 10 cts., lb. 25 cts., 3 lbs. 65 cts., by express or freight, 1 pk. 90 cts., bu. $3.00.

Seed Potatoes

For lack of space we have to omit listing Seed Potatoes. Will have in stock in spring the following northern grown varieties:

Early Six Weeks, Early Ohio, Irish Cobbler and Carman, No. 3. Price list will be mailed after Feb. 1st on application.

Soja or Soy Bean

This valuable legume is attracting more attention every year. Soja Beans is an ideal crop for turning under green to improve worn out soils and it fertilizes the soil where grown like clover will.

It is also valuable for hay or pasture for all kinds of stock. Will mature in all parts of the corn belt, sometimes growing 4 ft. high, heavily podded with seed, yielding 20 to 30 bushels per acre. The ground beans are equal to Oil Meal or Cotton Seed Meal in feeding value. The hay is best to feed in conjunction with corn fodder to reduce its excess of protein. It should be cut for hay before the stems become woody. Seed can be planted after corn planting time; can be sown broadcast at the rate of ½ bu. per acre or in drills 30 inches apart.

The Soy Bean in corn for hogging down is rapidly increasing in popularity. For hay they have a distinct place in the West as a catch legume hay crop to be used when clover seeding fails.

For seed Soy Beans appear to be a profitable crop, yields from fifteen to twenty-five bushels per acre.

Many farmers use the following valuable method for the Soy Bean in the corn belt, if to be cut up for the silo, or hogging down, to plant three beans in each hill of corn, either mixed with the seed corn before planting, or planted with a separate attachment which most corn planters now furnish.

A three-beans-per-hill rate requires from three to five pounds of seed per acre, depending on the size of bean, as the varieties differ. Thicker seeding is not advisable as it may damage the crop of corn. In this way you get a double crop from the land and the beans act as a good fertilizer to the soil.

ITO SAN. This variety is one of the best for the northern section of the country. It grows erect from twenty-five to thirty inches high. Matures in about 100 days. Per pkt. 5 cts., lb. 25 cts., 3 lbs. 65 cts., postpaid; by express or freight, pk. $1.50, bu. $5.00.

MEDIUM YELLOW. Similar to the above but is larger, yields heavier crop, and matures a little later. The popular variety for the central corn belt. Per pkt. 5 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid; by express or freight, pk. $1.50, bu. $5.00.

BLACK EYEBROW. An early variety well recommended by Ames College as a heavy yielder. Per pkt. 5 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid; by express or freight, $1.50, bu. $5.00.

If stocks of any variety should become exhausted, will fill order with next best variety we have on hand. Prices subject to change.

CHOICE SEED CORN

The improved varieties of **Field Corn** we offer are the best now in general use. They were grown especially for seed purposes, and are well matured, cured, hand picked, and assorted with great care. We are located in the center of the best growing country in the world. We test all varieties before sending out, so there is no doubt as to vitality, and will grow if properly planted and the conditions of weather are favorable.

TO AVOID DELAY when ordering late in the season, it would be well to mention your second choice, or state whether to send a variety adapted to your locality, provided we are sold out of variety ordered. Bags free at price quoted.

PRIDE OF THE NORTH

This corn still retains its popularity as an exceedingly hardy early and prolific variety, maturing in ninety days; often shelling 62 pounds of grain from 70 pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red. This is, probably, the best Dent corn for general cultivation in the north, and is now largely used in the south and west, as it matures its crop before the hot winds affect it. This corn is not fully appreciated until the large yield and small percentage of cob to corn are carefully noted. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts.; by freight, pk. 75 cts., bu. $2.25, 2 bu. $4.00.

IOWA GOLD MINE

This variety has everywhere received the most cordial endorsement as one of the best and most profitable varieties. It is early, ripening in about 100 days, ears of good size, color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn will make about sixty pounds of shelled corn; and in hauling to market it weighs out considerable more to the wagon load than common varieties. This variety, with good weather, will ripen in every part of our state; it is intermediate between the early small-eared sorts and the large-eared varieties. Per pkt. 5 cts., ½ pt. 15 cts.; by freight, pk. 75 cts., bu. $2.25, 2 bu. $4.00.

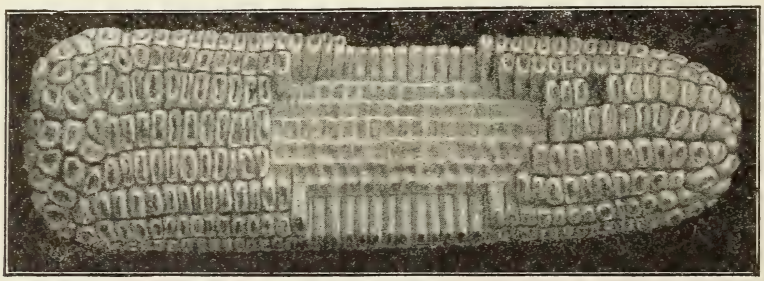
"SILVER KING" WHITE DENT

Silver King Corn originated by H. J. Goddard, in northern Iowa, also the introducer of Pride of the North. By careful and painstaking selection of seed stock this variety has been bred to a high standard and has won many prizes at Fairs and Corn Shows. In appearance it is a beauty. It is a pure White Dent Corn; fine, large ears, and small cob; ears well filled from tip to butt with broad deep grains; rich in oil and starch; short, stiff, stocky stalks, producing from one to two ears; very prolific; there being no barren stalks. Extra early; indeed it is the earliest medium large white dent corn in the world. It matures in about 90 days. So far it has never failed to produce a good crop of No. 1 sound corn for the last few years, even with bad weather in Northern Iowa. Price by mail, pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts.; by freight, pk. 75 cts, bu. $2.25, 2 bu. $4.00.

IOWA SILVER MINE

This variety comes very highly recommended, as being one of the best varieties of white corn, somewhat similar to the Iowa Gold Mine, but has a larger ear. The ears are very even in size, and well filled out at the tip. It is hardy, a great drouth resister. Would advise our customers to give it a trial. Per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts.; by freight, pk. 75 cts., bu. $2.25, 2 bu. $4.00.

JOHNSON COUNTY WHITE CORN



Johnson County White Corn

This variety is a selection from the Boone County White, developed and introduced by L. B. Clore, of Indiana, and has had 18 years of painstaking and intelligent selection and breeding.

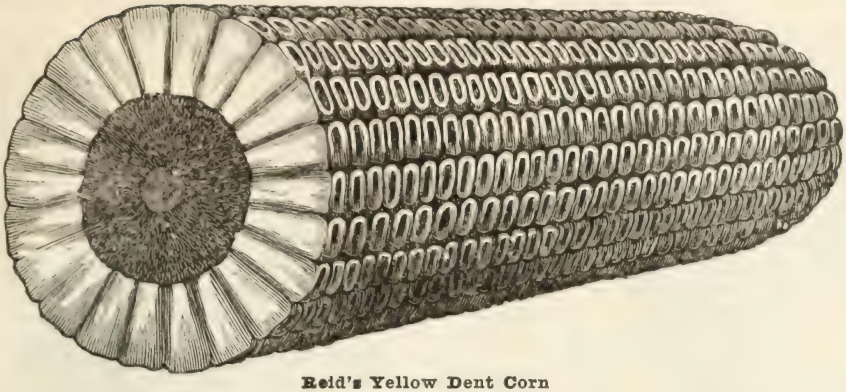
It is somewhat smaller and earlier than the Boone County White and can be grown further north, but not safe to plant north of Central Iowa.

For the corn growing belt there is no White Corn grown of equal merit. The corn has become famous for yield and quality. It is the standard among the white corns that Reid's Yellow Dent is among the yellow.

The shape of ear is cylindrical, slightly tapering at the tip. Tips fill well over the end, the butts are well rounded out, kernels very uniform, pure white, ears average about 10 inches in length.

Of strong and vigorous habit of growth and well covered with broad leaves, very valuable for ensilage. The length of season is from 110 to 115 days, in good corn weather.

Price per pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts., by mail; by freight, pk. 75 cts., bu. $2.25, 2 bu. $4.00.



Reid's Yellow Dent Corn

REID'S YELLOW CORN

This is a popular variety in the central west corn district. It has been grown for the last 50 years in Illinois and has taken many prizes at various corn shows and fairs. It has been bred up to a high type of corn. Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows, deep grain with small cob well filled at butt and tip.

Farmers will find this variety to be a long step in advance towards the aim that corn breeders are striving at, an ideal ear of almost perfect shape and size. Everyone that has grown this variety is delighted with it, for its handsome shape of ear and color, small cob and heavy solid grain. We can recommend this variety very highly and have no doubt everyone who plants it will be pleased.

Do not plant Reid's on thin light soils for best results. For this kind of soil the Silver Mine will give better crops. Our Reid's Corn is all grown from pedigree stock. Price by mail, pkt. 5 cts., ½ pt. 15 cts., 2 for 25 cts.; by freight, pk. 75 cts., bu. $2.25, 2 bu. $4.00.

RAPE

Dwarf Essex

This plant is extensively grown in Europe and Canada for forage, especially for sheep, and for green manure, for which purposes there is perhaps no plant better adapted where a quick, rank growth is desired. Farmers who raise much stock and desire to get young cattle, sheep or lambs into favorable condition to be sold advantageously in the fall, can do it most cheaply by growing this rape. Prepare the ground as for turnips, sow in May to July, with a turnip drill, in rows two and one-half feet apart, at the rate of two and one-half pounds of seed per acre, or may be sown broadcast at the rate of five pounds per acre. It is also well adapted for a catch crop, where crops have failed, as it makes most of its growth late in the season. Can be sown on stubble land or in corn at the last plowing. Per ¼ lb. 10 cts., lb. 25 cts., 3 lbs. 70 cts., not prepaid, 5 lbs. 75 cts., 10 lbs. $1.25, 25 lbs. $3.00, 100 lbs. $12.00.

FLOWER SEED

In the following list we describe, arranged alphabetically, all the flower seeds we have in stock. We do not offer so extensive a list as many of our brother Seedsmen do, but our assortment contains the **Cream,** and only varieties of **Real Value,** and those best adapted to our climate and worthy of general culture by the amateur. There is much offered to the public that is only valuable in a botanical collection, and will not please the amateur who grows flowers for beauty; and to experiment with high-priced green-house seeds, which takes a professional florist to manage, generally ends in a waste of time and money.

Success makes Flower Culture delightful and we desire all our customers to succeed. And we are confident that our **Flower Seeds** are unquestionably the best and will grow if properly taken care of and sown at the proper season. We warrant the **Flower Seed** to be fresh, true to name, and of good vitality. Every variety of **Flower Seed** is tested, under our own personal supervision, and we positively throw out all dead seed.

The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous, and never plant any seeds when the ground is wet.

BRIEF DIRECTIONS FOR SOWING, Etc., will be printed on each packet of **Flower Seed,** and by following them any person, without the least experience, will have fair success in the culture of Flowers.

FOR EARLY BLOOM. Flowering soon after the seed is sown, we would recommend Alyssum, Candytuft, Calliopsis, Larkspur, Migonette, Petunia, Phlox and Double Poppies.

FOR LATE FLOWERS. Nothing can surpass Aster, Ageratum, Adonis, Marigold Salvia, Portulaca, Pansy and Verbena.

FOR A SHOWY BED. You need nothing better than Balsam, Dianthus, Phlox, Petunia, Dahlia and Zinnia.

ANNUALS

In this department we include not only Annuals that bloom and die the first year, but also those Perennials that flower freely the first year from seed. Upon this class of plants the flower garden is dependent for many of the brightest, most showy, and beautiful flowers.

Abutilon (Flowering Maple)

Beautiful plants for greenhouse and window culture, blooming almost continuously; also succeeding well in the open ground in summer. Flowers bell shaped, 1 to 1½ inches across. Fine mixed; 2 feet. Per pkt. 10 cts.

Adonis

A class of showy, hardy annuals, of easy cultivation, growing about one foot high, with pretty foliage and cup-shaped flowers of an intensely deep blood red color, and of long duration in bloom; sometimes known as "Pheasant's Eye."

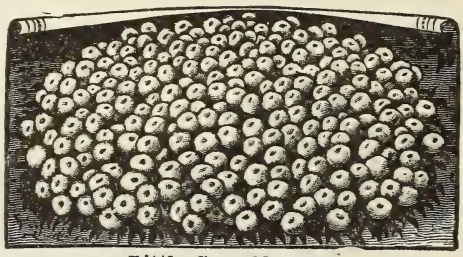
AESTIVALIS (Flos Adonis), scarlet; 1 foot. Per pkt. 5 cts.

Ageratum

Valuable plants for large bed or borders, and very useful where cut flowers are in demand; in bloom the whole summer; also good for winter blooming in pots, succeeding in any soil. Indispensable for boquets. Hardy annuals. Fine mixed; 18 in. Per pkt. 5 cts.

Antirrhinum (Snapdragon)

Beautiful spikes of gay-colored flowers, produced abundantly the first summer until after frost, and also flowers well the second season. Should be in every garden. Hardy perennial. Finest mixed, 12 in. Per pkt. 5 cts.



Little Gem Alyssum

Alyssum

Very pretty plants, with clusters of small white flowers suitable for edging, bed or rock work, and much used for boquets, on account of their delicate, honey-like fragrance. Bloom the whole season, and if sown in September will bloom all winter in the house. The small plants should be dusted with ashes to protect from the black flea. Hardy annual.

SWEET ALYSSUM. 6 in. Per oz. 25 cts., per pkt. 5 cts.

LITTLE GEM. Of very compact, spreading growth. Plants 10 to 15 inches in diameter. They bloom quickly from seed, the plants bearing profusely when quite small. 4 inches. Per pkt. 5 cts.

Aster

It is unnecessary to dwell on the great beauty of these popular favorites, as they are appreciated by everyone. We recommend our friends to plant a number of varieties, as no other annuals afford so magnificent a display during the summer and fall. Hardy annual.

QUEEN OF THE MARKET. Of graceful spreading habit; its great merit is its early flowering character, being in full bloom fully two weeks before any other Aster begins to blossom; mixed colors; 12 in. Per pkt. 5 cts.

THE ROYAL. One of the best early flowering sorts. It is quite similar in type of flower to the Late Branching, but blooms a couple of weeks earlier. The flower stem starts from the plant close to the ground. Has a long stem, fine for bouquets, remaining bloom a long time. Has a charming grace and a Chrysanthemum-like effect. 18 inches. Per pkt. 10 cts.

HEART OF FRANCE. The best pure red ever introduced. It opens red as the ruby, deepens with age, and retains its remarkable beauty to the very end. The flowers are large and full. The plants are of branching type, strong, and have few laterals. It blooms with the mid-season varieties. Heart of France will supplant all other reds of any type because of its marvelous beauty and long period of bloom. 2 ft. Per pkt. 10 cts.

GIANT OSTRICH. The finest type of the Comet or Ostrich Feather Asters. Flowers large, nearly eight inches in diameter, quite similar in form to a Japanese Chrysanthemum, with long curled and twisted petals. A truly magnificent Aster, producing flowers in great abundance. Borne on long stems they make cut flowers par excellence. Mixed colors. Per pkt. 5 cts.

AMERICAN BEAUTY. Is similar in type of flower and growth to the well known Branching Aster. Has extra long stems, fine for cut flowers. The flowers are fully double, of a lovely shade of bright carmine pink, almost identical with the American Beauty Rose. Per pkt. 10 cts.

Giant Comet Aster

NEW GIANT COMET. The plant of this new and very distinct Aster grows 12 to 15 inches high, forming fine regular pyramids, completely covered with large double flowers, much resembling the Japanese Chysanthemum in shape of flowers, the petals are very long and beautifully curled and twisted, mixed colors. Per pkt. 10 cts.

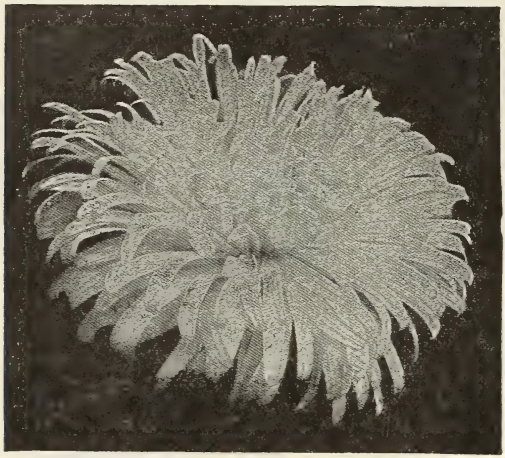
WHITE BRANCHING. A new variety of American origin, of branching habit, which, for size of bloom, freedom of flowering, and other good qualities, we have never seen equalled. The plants form strong, robust bushes, about 2 feet high, bearing profusely on long, strong stems handsome Chrysanthemum-like flowers, many being over 6 inches in diameter. The form of the flowers makes them perfectly desirable as cut flowers. They come into flower from two to three weeks later than most sorts, filling in the gap between the general run of Asters and Chrysanthemums. Per pkt. 5 cts.

BRANCHING MIXED. Similar in habit and growth as the White Branching, but of different colors, such as pink, lavender, crimson, blue and white. Very fine and beautiful; we can recommend this very highly. Per pkt. 5 cts.

FINE MIXED. Embracing a great many varieties and colors. Per pkt. 5 cts.

Arctotis Grandes

AFRICAN LILAC DAISY. A new annual from Africa, growing luxuriantly and forming profusely branched bushes of about 2 to 2½ feet in height and breadth. The leaves are soft and whitish. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, 3 inches across, being pure white on the upper surface, reverse of petals of pale lilac. Under the influence of bright sunlight the flowers spread out almost flat, and the pure white contrasts beautifully to the light blue disk. Per pkt. 5 cts.



Aster---Mikado Pink

A fine new variety. Petals are narrow, very long and gracefully reflexed, making it the fluffiest Aster we have ever seen. In color it is a most exquisite shade of shell pink. For a mid-season pink Aster it is without a rival. The plants are unusually vigorous, succeeding everywhere. It is not uncommon to find plants with a dozen long, strong, graceful stems each crowned with flowers from four to six inches in diameter. Per pkt. 10 cts.

CHINESE WOOL FLOWER

This splendid novelty eclipses everything so far introduced. A glorious garden flower of the easiest culture and a long continued season of bloom. Plants grow 2 to 3 feet high, the bloom starting early with a central head, round and globular, which often reaches a large size. Scores of side branches are thrown out, each bearing a ball of scarlet wool, all these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet set in the ground. None of the blooms fade in any way until hit by a hard frost, but all continue to expand and glow with a deeping richness of color, a dark crimson scarlet with its massive bunches of wool-like flowers, is surely the showiest as well as the most odd and novel flower of our garden. Per pkt. 10 cts., 3 pkts. 25 cts.

CARDINAL CLIMBER

This most beautiful and distinct New Annual Climber, is a glorious acquisition to the flower garden. It is a strong and rapid grower, growing 15 ft. or more high, with fern-like foliage and literally covered with a blaze of fiery cardinal red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters of 5 to 7 blooms each. The flowers open at daylight and fade at sunset. Like all Ipomeas it delights in a warm, sunny situation and good rich soil. Soak the seed in warm water for several hours before sowing; do not plant until ground becomes warm in May. Per pkt. 10 cts., 3 pkts. 25 cts.

A Novelty Sunflower

RED SUNFLOWER

For countless thousands of years Sunflowers of all kinds have brightened the earth with flowers of golden yellow. Now nature has suddenly given us a Sunflower with blossoms of a beautiful chestnut-red, growing six to eight feet high, some plants produce flowers of a claret red, other flowers tipped with yellow, others primrose splashed with red. As easily grown as any of the common Sunflowers. The flowers vary from a few inches to nearly a foot in diameter. A striking novelty in the garden which attracts attention everywhere. The long stemmed flowers are beautiful and lasting. We have been selecting this strain of Red Sunflower carefully so as to get plants mostly with red flowers, but a few plants will likely still produce yellow flowers. As these plants have no purple in stem or leaf, they can be pulled out when seedlings and destroyed.

Price per pkt. 5 cts.

Balsams

Lady's Slipper, or Touch-Me-Not

These are old favorites with every one owing to their handsome double flowers, brilliant colors and stately growth. To produce very double flowers, they must be transplant-into rich soil, 15 inches apart, in a sunny position, and frequently watered. Cutting out some of the side branches is also advisable, especially with the strong ana bushy growing varieties. Half-hardy annuals.

CAMELIA-FLOWERED, double; very choice; spotted and variegated with white, mixed. Per pkt. 5 cts.

FINE MIXED. Finest varieties and colors; mixed. Per pkt. 5 cts.

Calendula (Pot Marigold)

One of the showiest and free flowering hardy annuals, growing in any garden soil, producing a fine effect, particularly late in the fall with their bright yellow flowers, continuing in bloom for a long season. Valuable also for pot culture, blooming freely in winter.

FINE MIXED. 18 inches. Per pkt. 5 cts.

Chrysanthemum

A handsome plant, with striking and brilliant flowers blooming till late in autumn, when it is in full glory; producing double and single flowers of various shades; very attractive for bouquets and vases. Sometimes called "Painted Daisies." Hardy annuals.

FINE MIXED, many colors; 18 in. Per pkt. 5 cts.

CHINESE AND JAPANESE LARGE FLOWERING. Finest mixture. The Perennial Chrysanthemums can be grown from seed and make large, vigorous flowering plants by fall. Most of the new and valuable varieties have been secured from sowing the seed. Sow early and cultivate same as those grown from slips. Per pkt. 10 cts.

MAXIMUM PRINCESS HENRY. The finest and most valuable of the hardy Marguerite or Oxeye daisy. Very floriferous, the plant is of a dwarf globular shape, growing about 18 inches high and very decorative. The flowers open to 4 inches and more in diameter, and give an abundant and very handsome cutting material. It comes true from seed. It is not particular as to soil, coming up every spring in the same beauty for many years. We can especially recommend it, as its pure white flowers surpass all other varieties of the Ox-eye Daisy. Per pkt. 5 cts.

Cockscomb

A class of very magnificent, attractive and showy annuals, producing massive heads of rich shades and colors of great effect in the garden or in pots. Well adapted to our climate, as they will stand drouth well. Half-hardy annuals.

DWARF MIXED. We consider these beautiful dwarf varieties very handsome plants for the flower garden. They grow only 8 to 10 inches high, with beautiful combs of purple, crimson, orange and rose color, with combs much larger than the plants grow in height. Also makes handsome pot plants. Per pkt 5 cts.

Calliopsis

Caliopsis, or Coreopsis

One of the most showy, free-flowering of hardy annuals; its graceful and showy flowers, embracing nearly every shade of yellow, orange and rich brown, verging to crimson, and borne on slender stems, are particularly well adapted for bouquets.

FINE MIXED, all colors; 1 to 2 ft. Per pkt. 5 cts.

LANCEOLATA (New Golden Coreopsis). One of the most showy hardy perennials grown, two feet high, and bearing in great profusion for a long period during the summer, large flowers of bright, golden yellow. Unequalled for cutting. Grows anywhere. Per pkt. 5 cts.

Canna (Indian Shot)

The Cannas are a stately species of plants, highly ornamental, producing a very rich and oriental effect by their large, broad and massive foliage and crimson, scarlet or orange flowers. Cut or file away some of the hard cuticle around the seed, then soak 12 hours in warm water before planting in hot-bed or box in the house. Take up the roots before hard frost, let dirt adhere, leave out 5 or 6 hours to dry some, then store away on cellar floor with dirt or sand packed around them and do not keep in too dry or damp place.

CROZY'S NEW DWARF. A new class of large flowering Cannas. The foliage is luxuriant and varied in color, and the plants dwarf in habit, averaging not over three to five feet in height. Per pkt. 5 cts.

Candytuft (Iberis)

Among the most useful of perfectly hardy hardy annuals. Will grow in any soil, requires no care, and produce neat clusters of flowers very freely.

NEW GIANT FLOWERING. The size of the individual florets as well as the whole head of bloom is double the size of the old varieties. Several new and exquisite shades and colors are included; they form bushy little plants only 4 to 6 inches high splendid for edgings. Per pkt. 5 cts.

EMPRESS. A beautiful, pure white variety of branching habit, producing trusses of flowers. We can recommend this for a fine bed of early white flowers. Per pkt. 5 cts.

FINE MIXED, including many colors. Per pkt. 5 cts.

Centaurea (Corn Bottle)

The Blue Bottle, or Bachelor's Button, is one of the most attractive of all hardy annuals, the graceful beauty of its old-fashioned flowers being universally admired. A hardy annual of the easiest growth, and flowers freely, height two to three feet.

CYANUS, Fl. Pl. A double variety of the well known and popular old Corn Flower or Blue Bottle. A continuous bloomer, of great value as a cut flower. Mixed colors. Per pkt. 5 cts.

NEW IMPERIALIS. New large flowering hybrids, the result of crossing C. Moscata with C. Margaritae. The flowers are borne on long stems in enormous abundance from July until frost. In color they range through the various tints of white, rose, lilac, purple, etc., and are highly fragrant. If cut when partially open they will keep for ten days. For beds or mixed borders they rank with the finest annuals, while as cut flowers they are sure to become popular. Per pkt. 5 cts.

Celosia

The Celosia or Feathered Cockscomb has feathery plumes of great size and beauty. The plant grows about 3 feet high, of pyramidal form, each branch being tipped with a spike of bloom waving above the foliage. Fine ornamental plants for either pot or outdoor planting. It is of easy culture.

FINEST COLORS MIXED. Pride of Castle Gould Strain, finest Ostrich Plume variety. Per pkt. 5 cts.

Coleus

Highly ornamental plants in an endless variety of colors and shadings, indispensable for ribbon and carpet bedding, or as single specimens for pots and vases. Half-hardy perennial.

FINEST HYBRIDS MIXED. 1 to 2 feet. Per pkt. 10 cts.

Cyclamen

Well known and charming bulbous rooted plants with beautiful foliage and handsome fragrant flowers. Universal favorite for the greenhouse or parlor and for winter and spring blooming. If sown early in the spring they make flowering bulbs in one season; they require sandy loam. Half-hardy bulb.

PERSICUM GRANDIFLORUM, finest mixed. Per pkt. 10 cts.

Tom Thumb Dahlia

COSMOS

Cosmos are unquestionably very handsome flowering plants, and have become general favorites. There has been one objection to their late flowering habit, but this has been overcome in this new strain of Early Flowering Cosmos. Seed sown in our garden the beginning of May commenced to show a few flowers in July, and during August and September were covered with flowers. The plants are dwarfer than the late flowering Cosmos, forming bushes from 4 to 5 feet high. The plants have fine feathery, light green foliage, flowers are produced on long stems, and are very handsome for cut flowers and bouquets, as they will last a week after cutting. The colors are white, crimson and pink.

EARLY FLOWERING, mixed. Per pkt. 5 cts.

Dahlia

Every one knows and admires the Double Dahlia, but few are aware that it can be grown so easily from seed and flowers the first season, that the purchase of bulbs is a needless expense. The single varieties have become very popular within the last few years. Sow seeds early in April in hot-bed or box in the house, and transplant when all danger of frost is over, in beds 24 inches apart. Take up the roots as soon as frost occurs in fall, and preserve in a dry warm cellar. Half hardy bulbs.

DOUBLE MIXED. Finest varieties; 2 to 4 ft. Per pkt. 5 cts.

NEW TOM THUMB. New single varieties in mixed colors; neat, compact and dwarf habit, growing about one foot in height; very free flowering; invaluable for cutting purposes. Per pkt. 5 cts.

Escholtzia (California Poppy)

Very attractive plants for beds, edgings or masses; profuse flowering and fine cut foliage, in bloom from June till frost; 1 foot. Hardy annuals.

FINE MIXED. Flowers yellow, orange and white; blossoms 2 inches in diameter. Per pkt. 5 cts.

Fuchsia (Lady's Ear Drop)

This is one of the best known, beautiful flowers that we possess, and cannot be equalled for its graceful and elegant appearance, and artistic beauty of its flowers. Easily grown from seed, and requires a shady situation in the garden; the best soil is a rich, sandy loam, and must not become pot-bound before flowering. Green house Shrub.

HYBRIDA. Finest single and double mixed. Per pkt. 15 cts.

Dianthus Plant

Dianthus

The China and Japan Pinks are deservedly very popular, as few flowers can equal them in beauty and profusion of bloom. They bloom continually all summer and fall, until overtaken by severe frost; they live over winter and bloom again the second season. The plants generally grow ten to fifteen inches high, and are of the easiest cultivation. So satisfactory a class of flowers should be grown in large variety in every garden. Hardy biennial.

CHINESIS. (Double Chinese Pink). A splendid mixture, one of the finest varieties, 1 ft. Per pkt. 5 cts.

HEDDEWIGII. (Japan Pink). Flowers very large, 2 to 3 inches in diameter, double and single mixed; 15 in. Per pkt. 5 cts.

DIADEMATUS, fl. pl. (Double Diadem Pink). Splendid large double flowers of dark shades and marked with white and black colors, rich and beautiful. Per pkt. 5 cts.

HEDDEWIGII NOBILIS (Royal Pinks). Selected and improved varieties of the popular Japan Pink, producing flowers nearly four inches in diameter, they are frilled and fringed, giving them a distinct appearance. The flowers grow on long stems, making them very desirable for cut flowers; the colors vary from white to dark red. Per pkt. 5 cts.

FINE MIXED. A mixtureof many varieties. Per pkt. 5 cts.

NEW CYCLOP PINK. A new strain of great beauty. The plant grows 12 to 15 inches high; flowers large, round, with broad, over-lapping petals, and produced in great abundance. A clove-like odor adds to their attractiveness. If sown early they bloom the first season, and continue to flourish for several years; mixed colors. Per pkt. 5 cts.

Dimorphotheca Aurantica

African Golden Daisy

A rare and extremely showy annual, discovered in South Africa. It will quickly become a great favorite everywhere on account of its very easy culture and beautiful colored flowers. The plants grow about a foot high and are very profuse in flowering. Its Marguerite-like blossoms, 2½ inches in diameter, show a peculiarly rich glossy orange gold, with a dark center. Well adapted for groups or borders, it produces its pretty flowers very early in sunny situations and will continue to flower during the summer months. Per pkt. 5 cts.

Double Daisy

Daisy (Bellis Perennis)

Daisies are easily raised from spring-grown seed, and come into flower in a very short time. Among the most charming spring flowers they are indispensable for cool, shady places. Seed sown in August will make strong plants to carry over the winter with protection and blooms very early in spring. Although saved only from the fine double flowers, the seed produces a few single and semi-doubles. Half hardy perennials.

FINE DOUBLE MIXED; 6 in. Per pkt. 5 cts.

SNOWBALL. Large double white. Per pkt. 5 cts.

Geranium (Pelargonium)

Well-known favorites, used extensively for bedding in masses, ribbons, etc. When sown early, Geraniums will bloom the first year from seed; 1 to 2 feet. Half-hardy perennials.

ZONALE. Fine varieties mixed. Per pkt. 5 cts.

PELARGONIUM. Lady Washington Geranium. Grand plants for pot culture; colors are rich and brilliant. Finest varieties mixed. Per pkt. 15 cts.

Heliotrope

A well-known profuse flowering and deliciously fragrant plant that every one loves. Splendid for bedding or pot culture. Can be easily raised from seed, but should be started early in the house. Half-hardy perennial.

LEMOINE'S GIANT HYBRIDS. These are grand improvements over the old variety. Distinct in foliage, with mammoth clusters of flowers often measuring ten to twelve inches across, deliciously fragrant, perfuming the air in a whole neighborhood. The colors are from pure white through all the shades of violet and blue. Per pkt. 5 cts.

Hibiscus

This elegant plant is perfectly hardy in any place and is one of the most beautiful hardy flowering plants we have. Each spring the plants send up numerous branches, which form well established roots; grow to a height of five to six feet. The flowers are large as a saucer, very attractive and producing in great confusion from July to September. The colors range from pure white to bluish and deep pink. This is one of the most beautiful and showy lawn plants of recent introduction.

NEW HYBRIDS. Best mixed, including seed of the New Crimson Eye. Per pkt. 5 cts.

Gaillardia

Gaillardia (Blanket Flower)

One of the most brilliant and dazzling of our garden flowers. Most suitable for bedding, producing large flowers in great abundance throughout the entire summer. Hardy annual.

LORENZIANA. (Double Gaillardia). This is a charming, double variety; and is a splendid bouquet flower; 18 in. Per pkt. 5 cts.

GRANDIFLORA. These are undoubtedly among the choicest of Hardy Perennials; the flowers are large, very numerous, excellent for cutting, and of the most brilliant shades of orange, crimson, scarlet and vermillion, and very often a combination of all these colors in one flower. Many colors, mixed, 2 ft. Per pkt. 5 cts.

Larkspur (Delphinium)

Plants of great beauty, richness and endless variety of colors, with great duration and profusion of bloom and when planted in beds, masses or ribbon are strikingly effective; few plants are so useful for their decorative qualities, either in the garden or when cut for bouquets, etc. Hardy annuals.

DOUBLE DWARF ROCKET. Mixed colors. Per pkt. 5 cts.

DOUBLE FINE MIXED. Many varieties and colors. Per pkt. 5 cts.

Lantana

Very free-flowering plants with brilliant colored flowers constantly changing in hue; fine for either bedding or pot culture. If retained in their pots and plunged where intended to flower they will bloom more profusely.

HYBRIDA. Fine varieties, mixed; 2 ft. Per pkt. 5 cts.

Lupinus

A class of beautiful and free-flowering plants, with long graceful spikes of bloom; colors rich and varied. Many of the varieties are of stately, robust growth, which makes them exceedingly valuable for mixed flowers and shrubbery borders. Hardy annuals.

FINEST MIXED, all colors; 2 ft. Per pkt. 5 cts.

Lobelia

A very beautiful class of mostly dwarf-growing plants. Their delicate drooping habit, and the profusion of their charming little flowers render them exceedingly fine for vases, baskets, bedding or edgings. Hardy annuals.

FINE MIXED, all varieties mixed; 6 in. Per pkt. 5 cts.

Matricaria (Feverfew)

Extremely beautiful plants, with handsome light green, lacinated foliage. Grows freely in any garden soil and bears numerous, perfectly double, pure white flowers, one inch in diameter. Hardy annuals.

EXIMIA GRANDIFLORA. Fine for bouquets; 15 in. Per pkt. 5 cts.

Mignonette (Reseda Odorato)

This fragrant little plant is probably the most popular annual grown. If the plants are thinned out they will grow stronger and produce larger spikes of flowers; and can be had during the whole year by sowing at intervals. Hardy annuals.

GOLDEN MACHET. Distinct new variety of the well known Machet Mignonette, being of the same compact and robust habit, but differing from the type by its massive spikes of golden yellow blossoms. Per pkt. 5 cts.

MACHET. The plants are dwarf, of vigorous-pyramidal growth; they grow up numerous stout flower stalks, bearing massive spikes of red flowers. Per pkt. 5 cts.

SWEET-SCENTED (Odorata). The old variety, very fragrant; 1 ft. Per oz. 15 cts., pkt. 5 cts.

Marvel of Peru (Mirabillis Jalapa)

The well-known Four O'Clock. A handsome free-flowering garden favorite; blooming the first season from seed; the flowers, which are produced in clusters, present a gorgeous sight during the afternoon. Hardy annuals.

MIXED. Beautiful colors; 2 ft. Per pkt. 5 cts.

DWARF VARIEGATED. Leaves light green marbled with yellow; 1 ft. Per pkt. 5 cts.

Ice Plant

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in the sunshine, thriving best in a dry, loamy, or sandy soil, requiring a warm, sunny situation. Half hardy annuals.

CRYSTALLINUM. Flowers white. Per pkt. 5 cts.

Nigella (Love in a Mist)

A popular, old fashioned flower, free-flowering, with finely cut foliage surrounding the curious looking flowers and seed pods. Easily grown from seed.

MISS JEKYLL. Gives an abundance of blossoms, of the clearest corn-flower blue. 18 inches. Per pkt. 5 cts.

Tall Double Marigold

Marigold (Tagetes)

A free-flowering plant of easy culture, with double flowers of rich and beautiful colors, producing a splendid effect, whether planted in beds or borders; and continuing in beauty until destroyed by frost. Half-hardy annuals.

ELDORADO. This is the finest type of this showy flower, many plants having 75 to 100 flowers at one time. Per pkt. 5 cts.

AFRICAN MIXED. Best double colors; 2 ft. Per pkt. 5 cts.

DWARF FRENCH. Finest double mixed; 1 ft. Per pkt. 5 cts.

Portulaca (Rose Moss)

In brilliancy and beauty of colors, Portulacas are unrivalled. They delight in sunny situations and light soils, where they rapidly carpet the ground, each plant covering a space of about 15 inches in diameter; 6 in. Half hardy annuals.

FINEST SINGLE MIXED, a great variety of colors. Per pkt. 5 cts.

DOUBLE ROSE-FLOWERED MIXED, unsurpassed for brilliancy of color and great beauty. Per pkt. 10 cts.

Double Portulaca

Poppies

Poppy (Papaver)

A showy and easily cultivated annual; with large brilliant colored flowers, growing freely in any garden soil, and producing a fine effect in large clumps or mixed beds. Sow early in the spring where they are to remain as they will not bear transplanting; 2 ft.

NEW TULIP. A glossy new annual poppy, with a beautifully-shaped, large size flower, four inches across, of a most brilliant dark scarlet. The two outside petals are double the size of the inner ones, and each pair forms by itself a round cup of flower, which nearly resembles a tulip. The flower will stand well for several days, and the plant, therefore, always in full bloom. Per pkt. 5 cts.

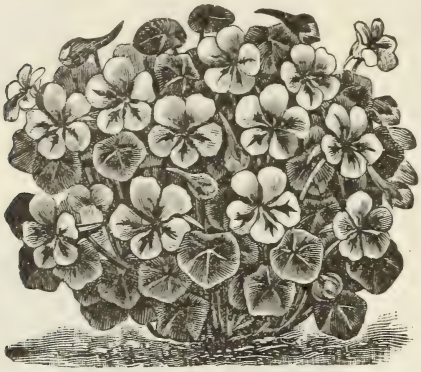
THE SHIRLEY. A new strain of marvelous beauty. Delicate rose, pink, carmine, and brilliant crimson. Many flowers are edged with white, petals have a glassy, silk-like texture. Single mixed. Per pkt. 5 cts.

FINEST MIXED. This mixture contains seed of all the best double and single varieties, including some entirely new ones. Will make a grand display. Per pkt. 5 cts.

Nicotiana

AFFINIS. Of all the varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star-shaped flowers, which after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Taken up in the fall, cut back and potted, it will bloom freely all winter. Very easily grown; 2 ft. Per pkt. 5 cts.

SANDERAE. This new hybrid variety of Nicotiana, bears large, brilliant carmine-red flowers on bushy, many branched plants 2 feet high. Plants raised in spring by the same method as any of the hardy annuals will flower early in summer, and will give a continuous display of bloom all the summer and autumn in the open ground, and will make extraordinary branched specimens. The whole plant is laden with flowers from base to summit literally ablaze with most handsome carmine-red blossoms, thousands of which are produced on a single plant. It comes true from seed, and will grow and flower in all kinds of soil and situations. It is a plant for the million, and is destined for universal use. Per pkt. 5 cts.



Dwarf Nasturtium

One of our showiest and most popular annuals, forming compact plants, making gorgeous masses of rich colored and brilliant flowers, blooming in succession all through the season; they should be grown in rather poor soil. Half-hardy annuals.

DWARF CHAMELEON. This strain is very dwarf, and as a bedding plant is unrivaled. The flowers are carried well above the foliage. Per oz. 20 cts., pkt. 5 cts.

NEW LILLIPUT. A distinct new class. This sort contains all the rich velvety and soft color variations of the Nasturtium family. Per pkt. 5 cts.

QUEEN VARIEGATED. After years of selecting, a fine variegated leaved type of this popular annual has at last been fixed. No two leaves are alike. The variegated foliage combined with the different colored flowers make a showy and effective contrast never before obtained in Nasturtiums. They form dwarf dense bushes. Mixed colors. Per pkt. 5 cts.

Cole Superb Nasturtium

FINEST MIXED DWARF. Many varieties and colors per oz. 10 cts., pkt. 5 cts.

COLE'S SUPERB MIXTURE. Nasturtiums are most admirably adapted to beds and borders. In this Superb Mixture, we have combined all the best Giant Flowering and named sorts, and it will give a large variety of colors. When in full bloom are gorgeous and cannot be surpassed for remarkable brilliancy, richness and the most varied combination of colors ever produced in any other mixture. It cannot fail to give satisfaction to the most critical grower. Per pkt. 10 cts., 2 pkts. 15 cts., oz. 25 cts.

Tall Nasturtium

The Tropaeolum Majus, or Tall Nasturtiums, are among the easiest grown and prettiest of climbers. They bear hot, dry weather very well, and thrive on poor soil. Very free bloomers and the green seed pods make excellent pickles; 10 ft. Hardy annuals.

FINEST MIXED TALL NASTURTIUM. Many bright colors. Per oz. 10 cts., pkt. 5 cts.

QUEEN WILHELMINA. This fine new variety has variegated leaves. The flowers are brilliant scarlet. Per pkt. 5 cts.

Madame Gunther's Nasturtium

Madam Gunther's Hybrids

These new Hybrids of Madame Gunther flower earlier and are covered from spring to fall with large, substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink, salmon, purple, velvety dark maroon, light yellow and deep orange in self colors, as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases, over rock-work, etc. Per pkt. 5 cts., oz. 15 cts.

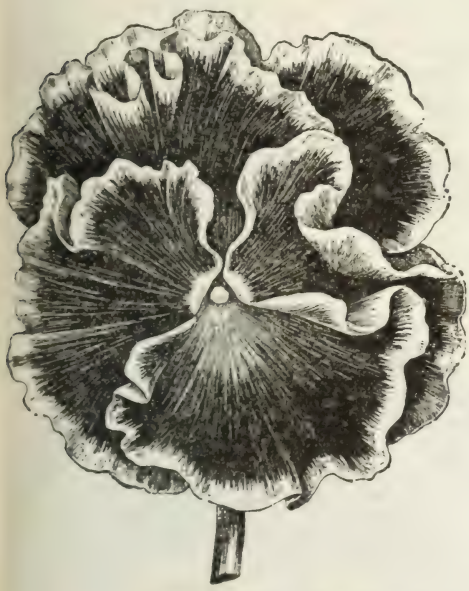
Will send you another order for your most reliable seeds. It always means a splendid garden for us when we order from such a reliable firm as Cole's. I have used your seeds for over twenty years and can speak in the greatest praise for them. —Lewis Baker, Woodbury County, Iowa.

Cole's Superb Pansies

Finest Fancy and Newest Varieties Grand Mixtures

A strain of Pansies which, for variety, color and beauty, is not to be excelled. In this SUPERB MIXTURE we have combined one of the GRANDEST COLLECTIONS of the best and choicest strains that PANSY SPECIALISTS have so far produced.

OUR SUPERB MIXTURE contains seed of all types of NEW and GIANT-FLOWERED varieties that have so far been produced by American and European growers. It is our aim to make this the "BEST MIXTURE." This strain will please the most critical, as it will produce flowers of matchless forms, colors and markings, with many flowers measuring, if well grown in cool and rich soil, three to four inches in diameter, and such beautiful colors as bronze, mahogany spotted, marbled, claret red, and many others. They will astonish and delight all lovers of Pansies. Price per pkt. 15 cts., 2 pkts. 25 cts.



PANSY

"Masterpiece"

New Giant Curled Pansy

This strain represents the highest perfection in the Giant Pansies, and for this reason is named "Masterpiece." The chief difference from other strains consists in the form of the flowers, which is well shown in the illustration, the border of each petal being conspicuously curled or waved, giving the flower a globular or double appearance. The plant is strong and bushy, the flowers are borne well above the foliage, are of enormous size, often 3 inches across, and contain the richest combination of colors that ever have been offered in any strain of Pansies. Each petal is distinctly marked with a very large dark blotch, and most of the flowers are margined with a light, white or yellow edge. Price per pkt. 15 cts., 2 pkts. 25 cts.

One pkt. each of the above two varieties of Pansies, 25 cts.

CHINESE WOOL FLOWER. A splendid novelty that eclipses everything so far introduced. A valuable and glorious garden flower of easy culture and long continued season of bloom. See page 58. Per pkt. 10 cts.

CARDINAL CLIMBER. This glorious, most beautiful and distinct new annual climber is a rapid grower and profuse bloomer all summer, with cardinal red flowers. 15 ft. Per pkt. 10 cts. See page 58.

Pansy (Heartease)

The Pansy is the most popular of all flowers grown from seed. It is everywhere popular, both for the brilliant beauty of its flowers and the long continuation of bloom. By plucking off the flowers as soon as they begin to fade, the succeeding flowers will be much more numerous and of larger size than if they are allowed to go to seed. Pansies delight in a cool, moist situation, partially protected from the hot noon-day sun; in exposed positions in the hot summer weather, the flowers will be smaller. Seed sown in the latter part of August or forepart of September will make strong young plants for early spring blooming. Protect in winter with leaves or evergreen branches. Hardy perennials.

MADAME PERRET. This new giant variety is something new in Pansies. The color ranges through all the shades of red, from a pink to fine purple, edged with white, while in others it is lined and striped. The plant is strong, the flowers are borne well above the foliage and the blossoms are of extraordinary size, which reach as much as 3 to 3½ inches in diameter. It is a novelty of the finest rank, and one that is sure to be sought after by lovers of pansies. A bed of this variety will attract a great deal of attention. Per pkt. 15 cts., 2 pkts. 25 cts.

GIANT TRIMARDEAU. A distinct and beautiful Pansy, the flowers are of very large size; some have measured four inches in diameter. Each flower is marked with three large blotches or spots, and stands well above the foliage. The plant will produce the same variety and beautiful shades of color that are found in other classes of this popular plant. Colors are very rich and beautiful. Per pkt. 10 cts.

WHITE or SNOW QUEEN. Flowers of a delicate, pure satiny white. Per pkt. 5 cts.

FAUST or KING OF THE BLACKS. Deep coal black, coming constant from seed; a group of this variety presents a fine appearance. Per pkt. 5 cts.

IMPERIAL MIXTURE, Extra Choice. Mixed flowers very large, perfect in form, and markings of the richest and most beautiful colors. Per pkt. 10 cts.

FINE MIXED. Fine varieties and colors mixed. Per pkt. 5 cts.

COLLECTION OF PANSIES. One packet each of the above six varieties, 40 cts. net.

Double and Single Petunias

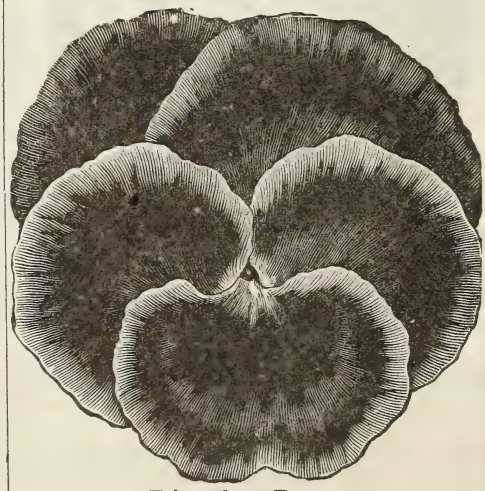
No class of flowers better repay the care they receive than the Petunias; easily raised from the seed; the richness of color and abundance of rich flowers make them indispensable for bedding plants. Every garden should have a bed of these magnificent flowers, a gay mass of bloom from June to hard frost. Hardy annual.

HYBRIDA MIXED. A fine variety, with large flowers, many are striped and blotched. Per pkt. 5 cts.

FINE MIXED. Best of the older sorts, many colors. Per pkt. 5 cts.

GIANTS OF CALIFORNIA. A gigantic strain of great beauty; flowers often 4 to 5 inches across. Most of the flowers are exquisitely ruffled or fringed and of every conceivable shade of crimson, pink, lavender, pure white, and the most grotesque and beautiful combinations; some with charming deep throats of yellow, white, black, green or maroon. Per pkt. 15 cts.

FINEST DOUBLE. The seed we offer is carefully fecundated with the best double flowers. Sure to produce a good percentage of splendid, large double flowers; perfectly magnificent. Per pkt. 15 cts.



Trimardeau Pansy

Phlox—Large Flowering

Phlox—Drummondi

Superb plants, prized for the profusion of their richly colored flowers of many hues, their long duration in bloom, and the grand effect they produce in clumps or masses. We invite particular attention to the Large Flowering as especially fine. Easy of culture; 18 in. Hardy annual.

ALBA. Pure white. Per pkt. 5 cts.

COCCINEA. Brilliant scarlet. Per pkt. 5 cts.

ROSEA. Beautifully rose colored. Per pkt. 5 cts.

LARGE FLOWERING EXTRA CHOICE MIXED. The most beautiful of the phloxes. Our mixture contains a large variety of the finest and most brilliant colors. Per pkt. 5 cts.

DOUBLE MIXED. This variety is a profuse bloomer, and of great value for bouquets. They are of recent introduction and are especially desirable for cut flowers, lasting much better than the single sorts. To produce the best results they should be grown in a light soil. About 80 per cent of the seed sown will be double. Per pkt. 10 cts.

STAR OF QUEDLINBURG. A very striking novelty. The center of the petals, five in number, runs into a point, thus giving the flowers a regular star-like form. The plant grows about 18 inches high, of compact habit, and bears large umbels of flowers, of many brilliant colors, and the edges of the petals bordered with broad white margins. Per pkt. 5 cts.

Fringed Chinese Primrose

Primula (Chinese Primrose)

A charming and profuse flowering plant and one of the most desirable of house blooming plants, and will richly compensate for the little care they require. They are in almost constant bloom all winter, and if the plants are transferred to a shady border they will bloom nearly all summer. Care should be taken in watering that no water fall in the buds as it causes them to rot. Greenhouse perennial.

CHINESE PRIMROSE. Choice fringed varieties mixed; the seed we offer is saved from one of the finest collections; 6 in. Per pkt. 10 cts.

Ricinus (Castor Oil Bean)

Ornamental plant of stately growth and picturesque foliage, with brilliant-colored fruit, producing a sub-tropical effect; fine for lawns, massing, or center plants for ribbon beds. Half-hardy annuals.

ZANZIBARIENSIS. The largest castor bean in cultivation. An entirely new class from Africa, with leaves often measuring 2 feet across, some of them being light green, others bronze brown. Per pkt. 5 cts.

FINE MIXED. The best and choicest varieties mixed. Per pkt. 5 cts.

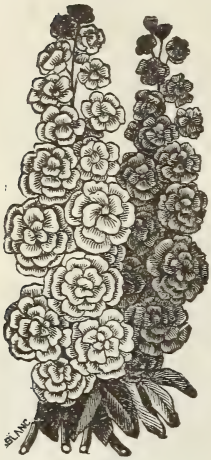
Howard's Star Petunia

The introducer says: By a long course of selection and breeding, our efforts have been successful in developing a strain of petunias that for richness of color, beautiful markings, pleasing form of the flowers, have won the distinction of being the most beautiful petunias in the world.

Their ground color is a dark crimson maroon, with a rich velvety texture. From the center starts the points of a five rayed star. This star is very light bluish pink, some almost white, which deepens in color as it reaches the margin and finally blends with the maroon ground color.

The plants are free growers, of medium size, branching freely, and are remarkably prolific bloomers, single plants often having 100 or more fully expanded flowers at a time, size of flowers about 2¼ inches in diameter. Per pkt. 5 cts.

Stock (Ten Weeks)



The Ten Weeks Stock is one of the most popular, beautiful and important of our garden favorites, whether for bedding, massing or pot culture, it is unsurpassed, either for brilliancy or profusion and duration of color, exquisite fragrance, or bloom. For winter blooming in the house sow seed in June. The seed we offer is from a celebrated German stock-grower, from selected pot plants, and will produce more than ¾ fine double flowers. Hardy annual.

DWARF GERMAN. The earliest summer variety; dwarf and free-bloomer; mixed; 15 in. Per pkt. 5 cts.

NEW LARGE FLOWERING. Habit dwarf, with magnificent spikes of very large double flowers in all colors; mixed; 18 in. Per pkt. 10 cts.

VICTORIA BOUQUET. This fine strain is without a rival for open ground planting. Each plant forms in itself a natural grown bouquet, of a beautiful pyramidal shape. The spikes of bloom are very long, and the flowers are large in size and very double; 2 ft. Per pkt. 10 cts.

Salpiglossis

Salpiglosis (Velvet Flower)

Flowers resembling the petunia in shape and size; but singularly marked and beautifully penciled. Of the easiest culture and such beauty that it deserves a place in every garden. It is very free flowering and makes a grand show for months. Hardy annual.

FINEST MIXED, of all shades and colors; 18 in. Per pkt. 5 cts.

Scabiosa

Scabiosa (Mourning Bride)

A class of popular, showy plants, with elegant fragrant flowers of different colors and shades; their flowers are borne on long stems, making them very suitable for cut flowers or bouquets. Fine for bedding, mixed borders, etc., blooms profusely until frost. Hardy annual.

SNOWBALL. The flowers are large, of purest white and very double. This plant comes quite true from seed and is sure to be liked for vases and bouquets. Per pkt. 5 cts.

DWARF DOUBLE, MIXED. Of compact habit, profusely bearing globe-shaped double flowers of great beauty. Per pkt. 5 cts.

Schizanthus

A splendid class of plants, combining elegance of growth with a profusion of rich and various colored flowers. Fine for the flower garden; easy of culture. Half-hardy annuals.

FINE MIXED, all colors; 2 ft. Per pkt. 5 cts.

I was very much pleased with all the seed I got from you last year. Grew well in spite of the drought.—Mrs. W. S. Usher, Cherokee, Iowa.

VIOLA CORNUTA (Tufted Pansies)

Violas are not yet fully appreciated, however it is a charming flower for the hardy border, combining beauty and fragrance, with a remarkably free-blooming habit, especially adapted to shady places. The flowers are not so large or high colored as the other varieties of Pansies. Used in masses or as border plants they are fine for edging walks or beds. Seed sown in March will produce flowering plants in June which will bloom from then to frost. If sown in August or September and protected these plants will bloom early in Spring. 6 inches. Hardy perennial. Fine Mixed, per pks. 10 cts.

Salvia Bonfire

Salvia (Flowering Sage)

The Salvia is one of the most beautiful of all flowers; the brilliant spikes of the scarlet flowers produce for months a dazzling effect. Of easy culture and fine for massing and bouquets. Half-hardy annual.

NEW DWARF, or BONFIRE. (Large Flowering Scarlet Sage). A splendid new sort blooming much earlier than old variety. The plants are dwarfer and more compact in habit, while the flowers are larger and more numerous and are of the brightest scarlet imaginable, lasting until late in the fall; 2 ft. Per pkt. 10 cts.

COCCINEA SPLENDENS. (Small Flowering Scarlet Sage). Spikes of scarlet flowers; 2 ft. Per pkt. 5 cts.

Verbena

A well-known favorite, and are valuable for bedding on account of their low trailing habit, and the dazzling brilliancy of their beautiful flowers; blooms freely the first season from seed, and are more healthy and make larger and hardier plants than if grown from cutting; requires a very rich, mellow soil.

The seeds sprout very unevenly, and some will not be started at the time others must be removed, hence the soil should be disturbed as little as possible. Half-hardy perennials.

HYBRIDA COMPACTA, or TOM THUMB. The plants form almost circular bushes of about two feet in diameter, throwing up in a singularly compact manner, on stiff and erect stems, a great number of flowers. The mixture contains a great variety of color. Per pkt. 10 cts.

MAMMOTH, or LARGE FLOWERING. Flowers of this Mammoth Variety, when well grown, are frequently larger than a silver quarter. Plant more vigorous than the ordinary variety, and far excel them in dazzling richness and variety of colors. The distinct white eyes add greatly to their striking and beautiful appearance. Per pkt. 10 cts.

ALBA. Pure white; a desirable variety for florists or for the cemetery. Per pkt. 5 cts.

FINE MIXED. Many colors mixed. Per pkt. 5 cts.

Tom Thumb Zinnia

Zinna (Youth and Old Age)

Plants of great beauty, of branching habit, and splendid brilliant colored double flowers, rivaling in beauty and form double Dahlias. Bloom in great profusion and with increased splendor from June until cut by frost; begins to bloom when quite small. Easy of culture; thrives in any good soil. Half-hardy annuals.

DOUBLE CHOICE MIXED. Finest large flowering varieties; 2 ft. Per pkt. 5 cts.

DOUBLE WHITE. Comes true from seed, perfect in shape. Per pkt. 5 cts.

STRIPED ZEBRA. Double flowers, distinctly striped, of perfect shape. The largest per cent are striped, the self-colored are also fine; best mixed. Per pkt. 5 cts.

TOM THUMB. These Dwarf Double Zinnias produce compact dwarf bushes, varying 6 to 12 inches in height and from 6 to 14 inches in diameter, coming mostly true from seed. The little plants are covered with the handsome double flowers of many bright and rich colors. Such dwarf and compact plants attract great attention when grown in beds or borders. Plants are very free flowering, and continue in bloom until destroyed by frost. Per pkt. 5 cts.

Tom Thumb Verbena

We have obtained seeds from your house for over thirty years. Are well pleased with them. They have always grown and given good satisfaction.—Mary E. Coryell, Green County, Wis.

Shasta Daisy

The Shasta Daisy offered by Mr. Luther Burbank of California, is one of the most marvelous productions in the flower line that has ever been brought to the notice of the flower loving public.

Its first qualification is hardiness; it can be grown out of doors by anybody where it is not cold enough to kill oak trees. They are perennial, blooming better and more abundantly each season; they are not particular as to soil. They bloom for several months, in mild climates nearly all the year. The flowers are extremely large and graceful, averaging about four inches in diameter, with petals of the purest glistening whiteness, and are borne on single long, stiff, wiry stems. The blooms when cut remain fresh for a long time and no other flower can compare with it in usefulness for bouquets. Price per pkt. 10 cts. 2 pkts. 15 cts.

ORNAMENTAL GRASSES

MIXED ANNUAL VARIETIES. All our customers should grow some of these to use with the Everlasting Flowers in making up winter bouquets. They also produce a beautiful and pleasing contrast with flowering plants and to use for making graceful summer bouquets. They are easily grown in any soil. Grasses require to be cut when they are green before commencing to turn yellow, and strong looking in appearance. Tie in small bunches and dry the same as Everlasting Flowers. Per pkt. 5 cts.

Ornamental Grasses

I have other seedsmen's catalogues offering cheap seed, but I know that your seeds are good and will send to you again for more.—J. M. Powell, Monroe

EVERLASTING FLOWERS

The everlasting flowers are a popular class of plants, with their rich, brilliant colors, are very valuable for winter decoration in connection with ornamental grasses. The flowers generally should be picked before they are fully open and hung up in small bunches (not too large, or they will mildew) in a dry, airy, shady place, with the flowers downward to keep the stems straight.

MIXED EVERLASTINGS. Our own mixture of seed; all the best varieties. A single packet will supply in abundance a great variety of the most attractive Everlasting Flowers. No more welcome present can be given to a visitor when looking through the flower garden than a small bouquet of these imperishable flowers. Per pkt. 5 cts.

Wild Flower Garden, or Children's Garden

MIXTURE OF CHOICE HARDY FLOWERS. The introduction of these has proved a marked success, and becoming more popular every year. Full of daily surprises, and one who has never seen such a garden cannot form any idea of its possibilities. From the Wild Garden you may get your bouquets, whenever you choose, and thereby save those in beds and borders. Especially adapted for producing a display on large borders, or for sowing along walks or for hiding any unsightly places, fences, stumps, etc., nothing in the way of flowers delighting children more than this Wild Garden, they can be allowed to pick their own bouquets. This mixture can be used to good advantage, with little expense, to fill in odd places by every family. Can be sown in drills two feet apart or broadcast as preferred. Sow thinly, cover lightly and keep the soil from drying until started. Keep weeds out and you will be delighted with the variety of flowers. Per pkt. 5 cts., 6 pkts. 25 cts., oz. 25 cts.

Sweet Peas

The varieties listed below are the **Cream** of the newer **Giant Spencer** varieties of Sweet Peas and represent every color and shade. Both in colors and size they are the latest triumphs of the plant breeder's skill. In these will be found the richest shades from apricot pink to silvery blue and purest white to royal purple.

We trust all our customers will try a few at least of these beautiful selections this year.

For supports use poultry wire or brush. For a long season of bloom, mulch and water in dry weather and pluck flowers freely, as they soon stop blooming if you let seed form. Sow early.

Margaret Atlee. The largest and finest variety yet introduced. It is a rosy salmon pink on a cream buff ground; a rich soft color. The standard is large and wavy, often four blossoms to a stem. Per pkt. 5 cts., oz. 25 cts.

Countess Spencer. A grand large flower of finest form, of lovely shell pink, shading to deeper rose pink at the edges. In size, form and coloring, Countess Spencer is simply exquisite. Per pkt. 5 cts., oz. 25 cts.

DOBBIE'S CREAM. Flowers a deep cream or primrose, distinctly waved and crimped. One of the best of the primrose class. Per pkt. 5 cts., oz. 25 cts.

FIERY CROSS. The standards are fiery red with wings of cherry red, very large, one of the best of its color. Does not burn even in the hottest weather. Per pkt. 10 cts., oz. 25 cts.

Florence Nightingale. The best and largest of its color. A beautiful clear rich lavender with a faint pinkish sheen. Robust in growth, flowering most profusely, with long stems and large flowers. Per pkt. 5 cts., oz. 25 cts.

ILLUMINATOR. A rich, glowing cerise salmon, with an indication of bright orange suffusion which glisten under bright sunlight. Flowers of perfect form on long stems frequently in "fours." Per pkt. 5 cts., oz. 25 cts.

King White. The grandest of all white sweet peas. The buds are of exceptional size before opening. The stems are long and stout and bear mostly four blossoms. King White has created a sensation wherever shown. Per pkt. 5 cts., oz. 25 cts.

King Edward VII. Large, brilliant colored flowers, of a bright red or crimson scarlet. This is the very best of the dark, rich red sorts. Per pkt. 5 cts., oz. 25 cts.

Othello. The flowers are beautifully waved both in standards and wings, of immense size. Long stems, carry three to four blossoms, of a rich deep maroon, the best of the dark colors. Per pkt. 5 cts., oz. 15 cts.

Elfrida Pearson. Huge flowers, of great substance, long stiff stems with mostly four blossoms. The vines bloom in wonderful profusion. The color is a lovely pink, tinted with salmon. It is one of the best in cultivation today. Per pkt. 5 cts., oz. 25 cts.

Thomas Stevenson. Large and brilliant flowers of fiery red-orange. The plants are vigorous in growth, the flowers are borne mostly in fours on long strong stems. It is certainly the finest of all the orange scarlets yet developed. Per pkt. 5 cts., oz. 25 cts.

Stirling Stent. A glorious salmon colored flower. This is the richest and brightest of its color in cultivation. The color is a rich glowing deep salmon self, suffused with orange. Of large size, the flowers are produced three and four on long stems. Per pkt. 5 cts., oz. 25 cts.

VERMILLION BRILLIANT. The wings are of intense pure scarlet. The standard is very bold and beautifully waved. This is by far the most intense self-scarlet in existence and should be in every collection. Per pkt. 5 cts., oz. 25 cts.

Wedgewood. A clear light silvery blue; an improved large flowering strain and best of its color. The flowers are of good substance, are well waved, borne in four flowered sprays, upon long stems. A color long sought for in Sweet Peas. Per pkt. 5 cts., oz. 25 cts.

Cole's Giant Superb Mixture

MIXED SWEET PEAS

This mixture contains the cream of the newest Giant Flowering and beautiful named sorts. Great care has been taken in making this mixture to equal anything offered. It will give the flowers of the most delicate colors, varying from pearly white to richest red and purple. It has a good proportion of all the latest introductions and high priced scarce varieties. We know it will please the most exacting, and cannot fail to give satisfaction, as there is no better mixture in existence.

Price per pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. $1.50.

Giant Spencer Mixed. Composed exclusively of the large Orchid Flowered Type, of named varieties and many seedlings of new exquisite shades and colors. A grand mixture. Per pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts.

Large Flowering Mixed. This mixture contains all the best varieties introduced by Mr. Eckford, flower large and of rich colors. Per pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. $1.00.

CUPID SWEET PEAS

Mixed Cupid. Many varieties mixed. Per pkt. 5 cts.

PERENNIAL SWEET PEAS

These hardy Everlasting Peas grow about 6 feet high; the flowers are borne in large clusters, from pure white to dark red in color. They are beautiful, and are very valuable from the fact that they are in bloom early and bloom till late in fall. They are perfectly hardy and will start up every spring; showy and freely flowering plants, growing in any common garden soil. Per pkt. 10 cts., oz. 50 cts., ¼ lb. $1.75.

ORNAMENTAL CLIMBERS

The climbers are rapidly increasing in popularity. The strong growing varieties are well adapted to covering arbors, verandas, fences, buildings, etc., and will produce both beauty and shade. Those of finer growth are particularly adapted to hanging baskets, vases and similar purposes. It is absolutely necessary that the proper support be furnished in time to climb upon.

Canary Bird Flower

A most elegant and popular climber; so called from its resemblance to a canary bird with its wings expanded. Blooms all summer. Half-hardy annual.

CANARIENSE; 15 ft. Per pkt. 5 cts.

Clematis

Rapid growing climbers, fine for arbors and verandas; the small varieties flower in clusters, and are very fragrant, and are continually in bloom. Soak the seed in warm water for 24 hours before sowing. Hardy perennials; 15 ft.

PANICULATA. One of the finest. Of robust habit, and covered in late summer with pure white, fragrant flowers, freely produced, completely hiding the foliage. A grand plant for any position where a climber is wanted. Per pkt. 5 cts.

LARGE FLOWERING MIXED. (Jackman's). Very handsome climber, and continually in bloom, flowers large, 3 to 4 inches across, of charming shades of blue, white, lavender, etc.; 10 ft. Per pkt. 10 cts.

Cobea

A magnificent climber, with large, bell-shaped flowers and large elegant leaves; it is of a very rapid growth, and well adapted during summer for warm situations out of doors. Seeds should be placed edge downward when planted. Tender annual.

SCANDENS. Purple flowers; 15 ft. Per pkt. 5 cts.

Cypress Vine (Ipomea Quamoclit)

One of the most popular and beautiful of climbers, graceful, airy, and finely cut dark-green foliage, and elegant, star-like flowers; 15 ft. Tender annuals.

MIXED VARIETIES. Per pkt. 5 cts.

Dolichos (Hyacinth Bean)

A splendid climber, of quick growth, will in a short time cover with thick, dense and handsome foliage, arbors, trellis or fences. The large spikes of pea-like flowers are abundant, standing well out from the foliage and very pretty. The flowers are succeeded by showy, creamy-white and deep crimson pods.

MIXED COLORS; 10 ft. Per pkt. 5 cts.

Gourds—Ornamental

A class of plants of rapid growth, with luxuriant and ornamental foliage and bearing fruit of the most varied and fantastic forms; very desirable for covering old trees, fences, etc., or may be treated the same as squashes. Tender annuals.

FINE MIXED. Per oz. 25 cts. Per pkt. 5 cts.

Humulus (Japanese Hop)

This handsome climbing vine is very valuable for trellis and high places. The leaves are strikingly variegated and marked; the color is bright, deep green, distinctly marked with silvery white tinged with yellow; a strong grower, not injured by heat or insects.

NEW JAPANESE VARIEGATED; 20 ft. Per pkt. 5 cts.

Morning Glory (Convolvulus Major)

The best known and most popular annual climber we have. The flowers are bright, and produced in great abundance. Seed grows readily and vines are of such rapid growth that it should be largely grown to cover unsightly fences and outhouses. Hardy annual.

FINE MIXED, all colors, 15 ft.; per oz. 10 cts., per pkt. 4 cts.

IMPERIAL JAPANESE. This novelty is a surprise to all for its great beauty, giant flowers and their wonderful coloring, running from snowy-white through all possible shades of blue, and of red from palest pink to darkest reds and purples. The seed is hard or flinty; before sowing treat as follows: Draw a sharp knife across one edge of the seed, just enough to cut through the shell, then soak in lukewarm water long enough to have seed swell to double the size they were when dry. Sow in May in a warm, sunny position, in good, rich soil, and give plenty of water in dry weather. Per pkt. 5 cts.

Moon Flower

This is one of the most charming and beautiful climbers. The flowers are of immense size and pure white color. This variety is a cross between the white and black seeded varieties, and blooms from four to six weeks earlier than the old varieties. To secure prompt germination of seed, cut off a very small piece from the point (not where germ is). Soak in lukewarm water one night only and plant next day in a warm place; about the middle of May.

NEW CROSS-BRED VARIETY. Per pkt. 5 cts.

Passion Flower

A well-known climber of rapid growth, with singular large flowers, well adapted to house culture in winter or for training over porches, or in sunny positions in the open ground. Half-hardy perennial.

COERULEA. Large flowers of violet and blue, 10 ft. Per pkt. 5 cts.

Smilax

A beautiful and graceful perennial climber, with glossy, deep green, wavy, delicate foliage and small white flowers; fine for vases and baskets. Soak seed in warm water 12 hours, plant in pots, and keep in moist, warm place; 5 ft. Per pkt. 5 cts.

Wild Cucumber Vine

A well-known rapid growing annual climber. Quickly covers verandas, trellis, old trees, fences or unsightly places. Grows 30 feet in one season, never suffering from the heat, but retaining its fresh and lively green color; never infested with insects. It has a beautiful leaf and is thickly dotted over with pretty, white, fragrant flowers, followed by ornamental prickly seed pods. A hardy plant, grows readily in all situations. Cut off the double point of this seed about 1-16 inch, and then soak seed in lukewarm water for about 24 hours before sowing. Per oz. 15 cts., per pkt. 5 cts.

PERENNIAL FLOWERS

The hardy Biennials and Perennials outlive the severest winters, giving us each succeeding year a finer display of their beautiful flowers. Some begin to bloom early in spring, others in summer, are all of easy cultivation. Soon after the plants are through blooming, cut the old flower stems within a few inches of the ground, which will present a more tidy appearance, and render the plant more vigorous. Protect during the winter with a covering of straw, leaves or manure.

Arabis Alpina

ARABIS ALPINA. This plant is a hardy perennial which will thrive in any soil and is particularly adapted to rock work. It grows about six inches high and is one of the earliest flowers to bloom in the spring. The blossoms are white, resembling Sweet Alyssum, deliciously fragrant and so freely produced as to completely cover the plant. It should be in every garden. Per pkt. 5 cts.

Aquilegia (Columbine)

A free-flowering hardy plant. Flowers in the greatest profusion, early in the spring, and growing with such ease and freedom, they ought to be grown by all. Hardy perennial.

FINEST MIXED. All colors; 2 ft. Per pkt. 5 cts.

Canterbury Bells

Canterbury Bells (Campanula)

These have long been among our most ornamental garden plants. Their large, bell-shaped flowers are freely produced. Fine plants for pot culture. As they are biennials, it will be necessary to sow seed every year. Hardy biennials.

DOUBLE AND SINGLE MIXED; 2 ft. Per pkt. 5 cts.

Delphinium (Perennial Larkspur

Handsome and well known hardy perennials, with splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable. Easy of culture, succeeding in any deep, rich soil.

FINEST MIXED. Various colors; 3 ft. Per pkt. 5 cts.

Carnation Pink

Carnations are great favorites and very magnificent large, beautiful and very fragrant flowers, as perfect in form as the rose. Seeds sown in open ground in May or June will flower splendidly the next season. The plants should be protected by a little straw or a few boughs. Hardy perennial.

DOUBLE HARDY MIXED. Fine double flowers; best for border culture; 18 in. Per pkt. 10 cts.

DWARF MARGUERITE. This variety blooms in about four months from the time of sowing the seed, and continue to flower until frost. The most beautiful, fragrant double Carnation can now be had in full flower in the open garden the first year by sowing seed early. Also for flowering in the house this new strain is invaluable. Per pkt. 10 cts.

Forget-me-not (Myosotis)

Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; they grow freely in any soil, but a moist situation is best suited to them. Will flower the first season if sown early. August sown seed will make strong young plants for early spring blooming. Half-hardy perennial.

ALPESTRIS. Mixed colors; 6 in. Per pkt. 5 cts.

Hollyhock

The Hollyhock, in its present state of perfection is very unlike its parent of olden time; it now ranks with the Dahlias. For a background to a flower garden, perhaps no plant is so useful, the flowers are as double as a rose, of many shades of color. Blooming plants can be raised the first year, by starting the seeds in a box in the house in February or March. Plant out about the first of May; they will bloom in autumn and the second year will also bloom freely. Our seed is saved from choice double flowers only.

DOUBLE MIXED. Extra choice mixed; 5 ft. Per pkt. 5 cts.

ALLEGHENY FRINGED. If sown early, blooms the first year from seed. A perpetual bloomer. The flowers are double, semi-double and single and the petals are fringed. The colors are shell pink, rose, and red, a shade or two deeper at the center, and exquisitely tinted towards the edge.

MIXED COLORS. Per pkt. 5 cts.

Lychnis

This is an elegant perennial. It flowers the first year from seed, producing large flowers varying in color from the brightest scarlet to white; free flowering, easy of culture.

HAAGEANA MIXED, all colors; 1 ft. Per pkt. 5 cts.

PERENNIALS—Continued

Platycodon

This is a grand thing, by some called Tuberous Rooted Clematis. One of the best hardy perennial plants with handsome foliage, bearing clusters of beautiful large bell-shaped flowers, of a lovely violet-blue, resembling the Jackmanii Clematis in graceful beauty. Blooms the first year if seed is sown early; continues for a long time. Entirely hardy and becomes finer as it grows older and is sure to give satisfaction.

MARIESI NANA. 15 in. Per pkt. 5 cts.

Pyrethrum

A valuable hardy garden plant of great beauty. By some called "Perennial Cosmos," for the foliage is feathery and of a rich green while the flowers are shaped like those of the Cosmos, and are as brilliantly colored, white, rose, pink, and crimson. It grows two feet high and strong in appearance. Likes a sunny bed, and a deep rich, moist soil. Easy to grow; if started early will bloom the first season. Beautiful flowers for bouquets.

ROSEUM HYBRIDUM. Mixed colors. Per pkt. 5 cts.

Papaver (Perennial Poppy)

Very hardy, showy and ornamental plants, producing immense flowers and are really desirable for their bright, gay display. Flowers often six inches in diameter.

ORIENTALE. Dark scarlet colors; 3 ft. Per pkt. 5 cts.

Stokesia

One of the most beautiful of our native hardy plants; grows about 24 inches high, each plant bearing from 20 to 30 handsome lavender blue corn-flower-like blossoms, in bloom from July till frost; most desirable choice hardy border plant and indispensable for cutting.

CYANEA. Lavender blue, 2 ft. Per pkt. 5 cts.

Sweet William

Matchless border plants, with heads of bloom of great size and wonderful beauty; should be in every garden. Perfectly hardy and easily raised from seed. Hardy perennial.

DOUBLE MIXED. Finest colors; 18 in. Per pkt. 5 cts.

SINGLE MIXED. Choicest seed; 18 in. Per pkt. 5 cts.

HOLLAND, OR FALL BULBS

These we have in stock in September and October. They are mostly imported from Holland and arrive in this country during September. October is the best month to plant them and they will give you beautiful flowers in April and May. When other flowers are scarce and so much more they will be appreciated. Orders can be sent in during spring and summer and will be filled as soon as bulbs are received. At prices quoted bulbs are sent by mail, prepaid.

Culture. Fall bulbs can be planted outdoors till ground freezes up. Select a sunny place of rich mellow soil, where water will not stand. Plant Hyacinth and Tulip bulbs from 5 to 6 inches apart and from 4 to 5 inches deep. They can be left in the bed for 2 to 3 years or taken up every summer after tops have died. Cover with manure or leaves after ground freezes up.

Narcissus ought to be planted 10 to 12 inches apart and 6 inches deep; they can be planted in any place and be left in the ground as they increase in beauty every year.

Scilla and Crocus, plant about 3 inches apart and also that deep. Crocus do well planted in the grass.

House Culture. Use the largest bulbs for this purpose, the 4 or 5 inch pots are large enough. Use good rich mellow sandy soil, set bulb deep enough to cover with dirt, give a good soaking and set pots in a cool dark place for 4 to 6 weeks, so bulbs can make a good root growth, water occasionally if dry. When brought into the window they should be kept near the light, but not in full sunshine for any length of time. A cool temperature suits bulbs best.

Hyacinths

DOUBLE SELECT, separate colors, each 15 cts., doz. $1.50.

DOUBLE MIXED, each 10 cts., doz. $1.00.

SINGLE SELECT, separate colors, each 15 cts., doz. $1.50.

SINGLE MIXED, each 10 cts., doz. $1.00.

Tulips

DOUBLE. Early mixed, 3 for 15 cts., doz. 50 cts.

SINGLE. Early mixed, 3 for 15 cts., doz. 50 cts.

Narcissus or Daffodils

TRUMPET MAJOR. Bright golden yellow petals and trumpets, one of the best for bedding and fine winter flowering, and early and abundant bloom. Each 6 cts., 6 for 30 cts., doz. 60 cts.

Scilla Siberica

This is one of the hardiest bulbs we have, are very valuable for edging beds or borders. Blue bell-shaped flowers. 4 for 15 cts., doz. 35 cts.

Crocus

MAMMOTH MIXED. The best large flowering. 6 for 15 cts., doz. 25 cts., 2 doz. 40 cts.

SUMMER FLOWERING BULBS

The Summer flowering Bulbs for spring planting, containing the following list, are inexpensive, very easily grown, and produce some of the most showy and beautiful of all summer and autumn flowers. They require little care, and quickly make a gorgeous display. Tender bulbs cannot safely be sent by mail until April 1. When seeds and bulbs are ordered together, the seeds will be sent at once, and bulbs as soon as danger of frost is over. No less than six will be sent at the dozen rate, and not less than 50 at the 100 rate. Any of the following bulbs are sent free by mail at catalogue prices, except where quoted by the hundred.

Gladioli

We cannot too highly recommend our Mixed Gladioli. They embrace a magnificent variety of beautiful colors. We trust that many of our friends will avail themselves of these low prices to plant largely. Set the bulbs from six to nine inches apart, and about four inches deep. Plant from middle of April to first of June.

AMERICA. This fine new variety in color is a soft lavender pink, very light, almost a tinted white, spikes 2 to 3 feet long, very large spreading blooms, and luxuriant foliage. A favorite for cut flower market. When cut will last in water a week or more. Each 5 cts., per doz. 50 cts.

PRINCEPS. A superb new Gladioli. This is a hybrid between the rare African Gladiolus Cruentus and a selected Giant Seedling. It is by all odds the handsomest and most robust variety yet produced, with extra large blossoms. The color is rich crimson with broad wide blotches across the flower petal. Each 10 cts., 3 for 25 cts., doz. $1.00.

MRS. FRANK PENDLETON. One of the most exquisitely colored and formed Gladiolus in the list. Flowers large, color a lovely flushed salmon pink with brilliant carmine blotches on lower petals, giving it a rich appearance. Each 10 cts., 3 for 25 cts., doz. $1.00.

MRS. FRANCIS KING. A most popular sort of great beauty. The color is a very pleasing vermillion scarlet. The spike is strong, flowers large and usually half dozen open at once. Each 5 cts., 6 for 25 cts., doz. 50 cts.

PRIMULINUS HYBRIDS. In recent years this sort has come to be extremely popular and they deserve every word of praise they get. They are graceful, easy to grow, artistic in colors, which range from sulphur-yellow to all shades of orange, with some cream and pink among them, but Nasturtium colors predominate. These Hybrids are ideal for indoor decorations. Each 7 cts., 4 for 25 cts., doz. 60 cts.

EXTRA FINE MIXED. Embracing a magnificent variety of beautiful colors, very choice; per doz. 40 cts., six 20 cts., three 10 cts., 50 for $1.50, 100 for $2.75.

Caladium Esculentum

(Elephant's Ear)

One of the most beautiful and striking of the Ornamental Foliage Plants for planting out on the lawn. When of full grown size it stands about five feet high, with immense leaves, often measuring four feet in length by two and a half in breadth. Plant out in May in rich soil and give abundance of water in dry weather. The roots should be preserved in dry sand in the cellar during the winter, out of reach of frost. Large roots, each 25 cts., small roots 15 cts.

Tuberose

The Tuberose is a beautiful, pure white, wax-like, sweet-scented double flower, which remains a long time in bloom, and are so fragrant as to perfume the whole atmosphere for some distance around. Start bulbs in pots for early blooming, or plant in open ground after middle of May, twelve inches apart and two or three inches deep.

DWARF PEARL. This variety has large flowers, perfectly double. Each 6 cts., 5 for 25 cts., per doz. 60 cts.

Hyacinthus Candicans

It can be used with excellent effect in the center of a bed of Gladiolus or other plants. The flowers are bell-shaped and pendulous, pure white in color, and somewhat fragrant. Each 7 cts., 4 for 25 cts., per doz. 60 cts.

Oxalis—Summer Flowering

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession. Plant about first of May, one inch deep. Take up bulbs in the fall and store in dry cellar.

LASIANDRA. Rosy pink. 10 cts. doz.; per 100, 60 cts.

DEIPPA. Rosy white. 10 cts. doz.; per 100, 60 cts.

Hardy Lilies

The Lily has been, with eminent propriety, styled the "Queen of Flowers." Their culture is simple, being entirely hardy and admirably adapted to pot culture. Plant in fall or early spring, in good, deep, sandy, loamy soil, where water will not stand, about one foot apart and six to eight inches deep. They should not be disturbed for several years, and protected with a foot deep of leaves or manure in winter.

AURATUM. (Golden Japan Lily.) This is the most beautiful of the Lily family; each 30 cts., three for 75 cts.

SPECIOSUM RUBRUM. White and red spotted. These are among the most beautiful and delightfully fragrant; each 30 cts., three for 75 cts.

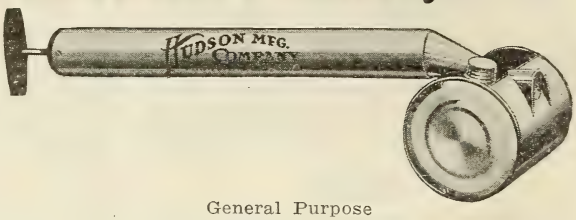
SPECIOSUM ALBUM. A lovely pure white Lily, with white petals reflexed, the finest white variety; each 30 cts., three for 75 cts.

Maderia Vine

Sometimes called Mignonette Vine. Tuberous rooted climber, with glossy green leaves, of rapid growth, bearing graceful racemes of deliciously fragrant white flowers; very useful for screens, trellis, or for pots in the house. Plant about the middle of May. Each 6 cts., 3 for 15 cts., per doz. 50 cts.

Hudson Perfection

Hudson Misty



General Purpose

The best selling quart sprayer made and one that is a universal favorite. It will be found a convenient article for any work in and around the house, yard, or small garden.

Construction is the very best, combining strength, simplicity, and neat appearance. The point of the pump passes through the tank, making a strong, rigid sprayer. Made of good stock, carefully tested and inspected.

No. 4512—Tin Sprayer, each.....75c

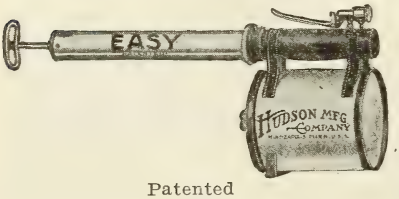
For work of any kind requiring a high pressure compressed air sprayer, the Perfection is supreme. It is a high pressure sprayer with the pressure. Can be used around the house and yard, in the barnyards and outhouses, on truck farms, in vineyards, potato, onion, and melon fields, and all sizes of orchards. It is an easy means of whitewashing, disinfecting, deodorizing, cold water painting, etc.

Built like a steam boiler with all seams riveted and soldered to withstand high pressure. Tested under actual working conditions before it leaves the factory. Capacity, 4 gallons. Weight, packed, 11 pounds.

No. 110G—Perfection, galvanized tank, each.....$ 7.50

No. 110B—Perfection, brass tank, each..... 10.50

Hudson Easy



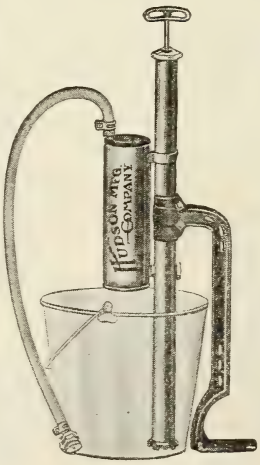
Patented

This is the only successful one-gallon compressed air sprayer, and is made for the man who needs a sprayer larger than the hand atomizer but not as large as the regular compressed air types. Will do all kinds of spraying, disinfecting, etc., and is a very popular number for use with stock dips and similar remedies. Capacity, one gallon.

No. 120G—Easy, galvanized tank, each $3.75

Hudson Bucket Pump

Made for Whitewash



A high pressure bucket pump of new design. Especially desirable for **whitewashing.** The intake and outlet valves are easily removable for cleaning out lime or other sediment.

The large air chamber enables the operator to maintain a high pressure and a steady discharge with no pulsations at the nozzle, permitting a uniform spread of whitewash. **No dripping. No Blotches. No Waste.** Can be attached to any ordinary bucket or small tank, making a very convenient and portable outfit. All parts except handle and foot-rest are of **Brass.**

No. 124—Magic, price each $6.00

SPRAY MATERIAL

ROGERS INSECTICIDES AND FUNGICIDES

Poisons are not mailable; to be sent by express

Within the recent past years spraying of fruit has become a science. Experts connected with the experiment stations have done wonderful work and all guess work is eliminated, and it is no longer necessary to use haphazard methods. The old paste and liquid insecticides have been mostly discarded. The best manufacturers have developed a large line in insecticides in dry powdered form which being much more convenient to handle and to keep until used, as well as being free from danger of freezing or loss through leakage, and saving a very large part of the cost of transportation.

We offer a few insecticides. They cover practically every requirement for the sprayer of fruit and vegetables.

Paris Green

The reliable remedy for destruction of the potato bug, tomato and tobacco worms, and all leaf-eating insects. Kills the bugs without burning the foliage, containing very little uncombined arsenic in the mixture. Extremely light in gravity, enabling it to remain in perfect suspension and to adhere to the leaf for a long time without being washed off. Conforms with the Federal and all State Laws in every way. Price—¼ lb. 25 cts., ½ lb. 40 cts., 1 lb. 75 cts., 5 lbs. $3.50.

Leaded Bordo

Rogers Leaded Bordo is a combination of the dry Bordeaux mixture material with arsenate of lead, thereby producing a mixture to use both against the leaf-eating insects and the blight. It is extremely effective on both fruits and vegetables, particularly for apples. Put up in dry form, it retains its full strength right to time of using. Will keep the crops free from all insects and act as a preventative against blight. Price—1 lb. 50 cts., 5 lbs. $2.25.

Price for larger quantities by mail on application.

Arsenate of Lead

Dry Powdered Arsenate of Lead represents the highest point of perfection in arsenical remedies for fruit tree spraying. The arsenic is so thoroughly combined with the lead that there is no danger of spoilage to the foliage from free arsenic. Has maximum killing powers for all leaf-eating and chewing insects. Rogers Dry Powdered Arsenate of Lead has every advantage of the paste form, without having its disadvantages, such as danger from freezing, drying out, or spilling. It is very light and fluffy, which gives it perfect suspension. Price— 1 lb. 65 cts., 5 lbs. $3.00.

Black Leaf 40

Forty per cent Nicotine Sulphate. Highly recommended by the Experiment Stations as a spray for Black Aphis and sucking insects of this class. You cannot go wrong in ordering "Black Leaf 40" for sucking insects. 1 oz. makes 6 gallons of spray on outdoor vegetation. As a dip to destroy scab, ticks, lice and insect pests on sheep, cattle and hogs, dilute 1 pound in 83 gallons water. One oz. 25 cts., ½ lb. $1.00.

Dry Lime Sulphur

Rogers Dry Lime Sulfur is the only successful combination of lime and sulfur in dry form. In such a state it offers a compound that has all of the advantages of the liquid materials with none of its disadvantages. Dry Lime Sulfur is recognized as best to combat San Jose Scale, Scale insects, Peach leaf cure, Apple Canker, Apple Scab, Blister Mite, Oyster-shell bark louse, Fungus disease, Pear canker, Brown rot of Peach or Plum. The dry form has met with the approval and the requirements of the government in every way. The material is extremely light, works perfectly in the machine without clogging the nozzle. Altogether provides the ideal spray at a reasonable price for Spring, Summer and Fall. Price per lb. 40 cts., 5 lbs. $1.50.

"Red Snapper" Plant Food

MAKES PLANTS GROW AND BLOSSOM

This is an extremely nutritious organic fertilizer possessing fifteen times the value of fresh stable manure. It is not a stimulant but a real food for all kinds of flowers, plants, vines, shrubs, etc. Every particle of this food is taken up by the plant which fast becomes sturdy and healthy, producing a profusion of blossoms of large size with a richness of coloring rarely attained under the very best of other conditions. We claim no secrets or magic power for Red Snapper Plant Food. It is made from the head bones and nitrogenous cartilage of the South American Red Snapper fish, dried under intense heat, mixed with other organic plant foods to make a perfectly balanced ration, ground and bolted with flower milling machinery into a fine meal. It is thoroughly sterilized, clean and sanitary, to be used in the finest homes and conservatories as well as for out door use. Enclosed with each package except the 25c size is a valuable booklet of fourteen chapters on the care and culture of flowers and plants, also a liberal package of Red Snapper Plant Tonic for Sweetening sour or dead soil.

Price: 10 ozs. without tonic.....25c; by mail 30c
2 lb. package with tonic.....50c; by mail 60c
5 lb. package with tonic.....$1.00; by mail $1.25

"Red Snapper" Plant Food Insecticide

A bath and spray for flowers and plants. Destroys practically all plant insect pests.
½ pint can.....25c

Hammond Slug Shot

Slug Shot destroys all insects injurious to House and Garden Plants, Shrub, Trees, Vines, Potatoes, Melons, Cabbages, Currants, and Vegetables, and Fruits of all kinds. This preparation though poisonous to insects, does not injure the foliage in the least, and acts in some measure as a fertilizer to the plants.

DIRECTIONS FOR USE—Dust the powder lightly over the infected plants, so as to cover every part of them. One application is generally sufficient, but if a new brood appears, repeat the operation at once. Not prepaid, 5 lbs. 70 cts., 10 lbs. $1.25, 50 lbs. $6.00, 100 lbs. $11.00. By mail, prepaid, lb. 20 cts., 3 lbs. 55 cts.

"Jumbo" Insect Powder Gun

This is one of the best Bellows for applying Insect Powder to plants and for household use. By its use the powder may be made to penetrate into the most inaccessable places, and all parts of a plant. Made to meet a demand for as large a gun as can be held in the hand, 4 inches in diameter, large opening for filling. It sells at sight, and is recommended by all who have used it. Price 40 cts. each, by mail.

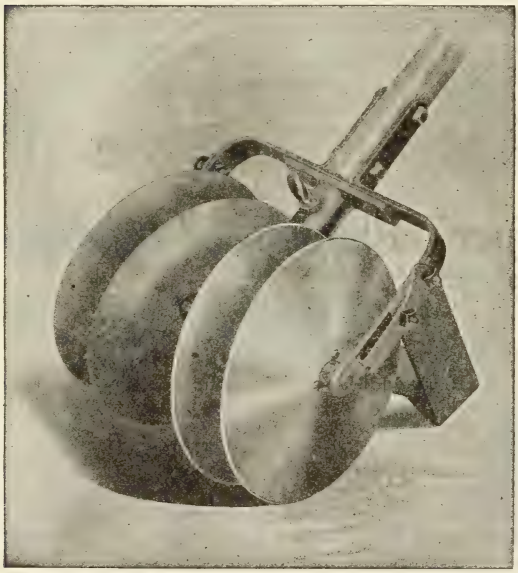
Red Snaper Plant Food and Soap

The Plant Food makes plants grow and blossom, the Soap is used as a bath for the flowers or as a spray. With proper dilution it is entirely harmless to plants, but death to insects of all kinds that infest plants in the house. See below for prices, etc.

This is one of the best weeders made. Its special advantage over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. Price 25 cts., by mail.

Excelsior Weeding Hook

This tool can be used to great advantage among small and tender plants. It is warranted to give entire satisfaction when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is desired. Price 20 cts., by mail.



The Discs can be adjusted to an angle, throwing the soil to or from the plants

PERFECTION GARDEN CULTIVATOR

Perfection at last. This New Disc and Knife Weeder and Mulcher is the final evolution in hand Cultivators. It excels and supercedes all. In it is found the best characteristics of others simplified to the accommodation of the professional trucker or home gardener. A child can work it. It has no attachments and no encumbrances, is complete in itself. It does the weed killing, cultivating and mulching at one process. This is something that no other cultivator accomplishes. It is a perfect hand cultivator.

No attachments are necessary to make it do the work needed. By a simple changing of the bolts it automatically adjusts to suit the occasion. It can be worked in gravel soil, through sticks and coarse straw or stubble of any kind. In stony land it works as well as in the softest loam.

For thirty years a satisfactory hand cultivator has been sought for; improvements, combinations and auxiliaries have been added to the older makes without resulting in complete satisfaction. In this new weeder, however, the defects have been overcome and satisfactory work is the result.

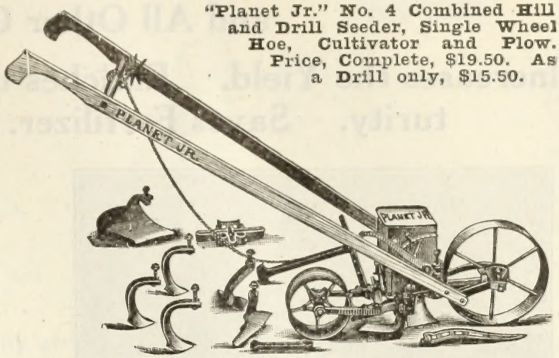
PERFECTION GARDEN CULTIVATOR is made in three sizes, viz.: No. 1—6 inches wide. No. 2—8½ inches wide. No. 3—11 inches wide. The No. 2 is the popular tool for gardens.

Retail price, $5.50 each.

"PLANET, JR." FARM AND GARDEN TOOLS

Space will not permit our showing and describing all of the "Planet Jr." tools, but we will send a fully illustrated catalogue free for the asking to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, sowing in continuous rows, or dropping in hills at five different distances. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden-plow, or cultivator. It is useful almost every day of the season, at every stage of garden work. With this one implement the small farmer can do practically all the work in his small crops.

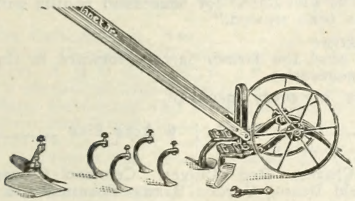


"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow. Price, Complete, $19.50. As a Drill only, $15.50.

"Planet J." No. Combined Drill and Hoe

This has long been the most popular combined tool made. As a seed sower it is the same as No. 2 Drill Seeder, but smaller. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached. It is an excellent seed sower, a first class double or single wheel hoe, an excellent furrower, and admirable wheel cultivator, and a rapid and efficient garden plow. It is a practical, every-day time an dlabor saver, and a grand remedy for backache.

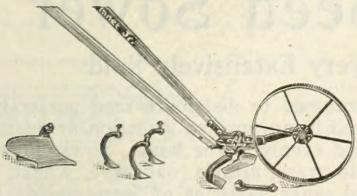
PRICE $16.00



No. 12 Double Wheel Hoe

This perfect wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness.

PRICE $12.50



No. 17 Single Wheel Hoe

This latest and best single wheel hoe has a very full set of tools, several of them being of new design, such as has been found to work in the very best manner. It has 11-inch wheel, with broad face; it is very light, strong, and easy running.

PRICE $8.75

SPRAYING UNDER THE LEAVES

An excellent hand plant sprayer to keep the insects and dust off and otherwise keep them healthful.

Makes House Plants Bloom. Let Your Wife See This

FOR INDOOR PLANTS

Real Success With Your House Plants

Sent complete for **60c** Postpaid

Spraying Under the Leaves,
THE THING LONG NEEDED
Just what mother was long looking for.

A Cake of Tobacco Soap Free with Each
Make Suds and Spray
Your Plants Will Surprise You

Also 2 extra bulbs for Laundry use all $1.00

Do not forget to order one with your seeds,
you need it

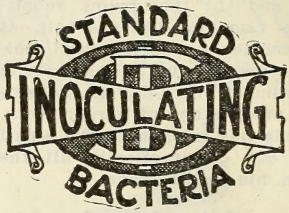
Grow Large Crops

Inoculate Your Soy Beans, Peas, Sweet Clover, Alfalfa, and All Other Clovers

Increases the Yield. Enriches the Soil. Hastens Maturity. Saves Fertilizer. Easy to Apply

Red Clover

Inoculated Not Inoculated



The Guaranteed Legume Inoculator

Grown Direct From Nodules **Highest Possible Virility**

Standard Inoculating Bacteria are grown direct from the nodules. All bacteria sent out are of the second generation from the nodules. This laboratory technic in the preparation of Standard cultures insures the highest possible virility and therefore positive inoculation and an abundance of nodules. Bred direct from the nodules and furnished to you only one generation removed is what has placed Standard cultures at head of the list and caused them to be the most widely used of all cultures in the United States.

The North Dakota Experiment Stations (Bul. 95) says:
"Almost without exception North Dakota soil must be inoculated for successful results with alfalfa. Time spent in experimenting on this plant is the same as time wasted."

The North Carolina Experiment Station (Bul. 53) says:
"Inoculation is not a cure-all, but its proper use will send the farmer farther forward in three years than it has been possible for him to go without it in a generation."

Easy to apply. Full directions in every package.

PRICES			
Garden Size ----------$ .50	2 Acre Size ----------$1.45	6 Acre Size ----------$3.00
1 Acre Size ---------- .75	4 Acre Size ---------- 2.25	

Prepared for Alfalfa, Soy Beans, Cow Peas, Sweet Clover, Red Clover, Crimson Clover, Alsike Clover, Vetch, Field Peas, Garden Peas, Sweet Peas, Field Beans, Garden Beans, Peanuts, and all other Legumes.

Add five cents per package for postage. One acre size sufficient for about 20 pounds of alfalfa, clover or other small seed, and for about 90 pounds of peas, beans or other large seeds.

When ordering state crop to be inoculated. Standard cultures are guaranteed by us and by makers.

The Cyclone Seed Sower

A Very Popular Seeder and Very Extensively Sold

This Sower is guaranteed to distribute seed perfectly even and will not throw seed in an upward direction or against the operator, but direct and evenly to the land. Sows clover, timothy, red top or herds grass, alfalfa, oats, rye, wheat, millet, buckwheat, turnip and other varieties of farm seeds. It also distributes bone dust, land plaster and fertilizer to advantage. Clover seed is sown to a width of 18 feet; timothy, 15 feet; alfalfa, 20 feet; wheat, 25 feet; millet, 18 feet, and oats, 18 feet, etc. Full directions on each machine. Thus it will be seen that one operator can sow from 40 to 60 acres per day, according to the kind of seed.

PRICE (by express).....$2.00 each

INDEX TO CATALOGUE

VEGETABLE SEEDS

	Page
Asparagus	4
Beans, Dwarf	5, 6, 7
Beans, Pole	8
Beets, Garden	9, 10
Beets, Stock	11
Borecole	12
Brussels Sprouts	17
Carrot	12
Cabbage	13, 14, 15
Cauliflower	17
Celery	16
Chicory	17
Cress	17
Corn, Sweet	18, 19
Corn, Pop	17
Cucumber	20, 21
Egg Plant	22
Endive	22
Garlic	22
Gourd	22
Herbs	46
Kohl Rabi	22
Leek	22
Lettuce	23, 24
Mangel Wurzel	11
Melon, Musk	28, 29
Melon, Mango	29
Melon, Water	25, 26, 27
Mustard	22
Okra	36
Onion	30, 31
Onion Set	31
Parsley	36
Parsnips	36
Peas	34, 35
Pepper	32
Pumpkin	33
Radish	37, 38
Rhubarb	36
Rutabaga	45
Salsify	36
Spinach	36
Squash	40, 41
Sugar Beet	11
Tobacco	46
Tomato	42, 43, 44
Turnip	45
Vine, Peach	29

FARM SEEDS

	Page
Buckwheat	47
Broom Corn	47
Clover	50, 51
Field Peas	47
Grass Seed	51, 52
Hungarian	52
Kaffir Corn	48
Lawn Grass	52
Millet	52
Peanuts	46
Rape	55
Soy Beans	53
Seed Corn	54, 55
Sweet Corn Fodder	13
Sugar Cane	48
Sunflower	46
Sudan Grass	49

Flower Seeds, Annuals (alphabetically arranged) ..... 56 to 68
Flower Seeds, Everlasting 70
Flower Seeds, Grasses 70
Flower Seeds, Climbers 72
Flower Seeds, Sweet Peas 71
Flower Seeds, Perennials 73
Summer Flowering Bulbs 75
Small Hand Tools 78
Garden Tools and Horse Tools 79

VALUABLE HORTICULTURAL BOOKS

Asparagus Culture, flex. cloth	$ .75
Barry's Fruit Garden, New and Revised	1.50
Bee Culture, A B C or, Root, A. J.	1.25
Bommer's Method of Making Manure	.40
Brill's Farm Gardening and Seed Growing	1.00
Broom Corn and Brooms	.60
Celery Culture	.75
Elliott's Hand-book for Fruit Growers, paper 60 cents; cloth	1.00
Egg Farm New, Stoddard, H. H.	1.50
Flower Garden, Beautiful, Matthews	.40
Fitz's Sweet Potato Culture	.75
Fruit Growing, Amateur, by S. B. Green	1.00
Garden Guide, paper, $1.00; cloth	1.50
Grape Culture, by A. S. Fuller	1.75
Henderson's Gardening for Profit	1.75
Henderson's Gardening for Pleasure	1.75
Henderson's Practical Floriculture	1.75
Henderson's Hand-book of Plants	3.00
Home Floriculture, by Eben R. Rexford	1.00
Home Fruit Grower, paper, $1.00; cloth	1.50
Horticulturist Rule Book, Bailey, L. H.	.75
House Plants—How to Succeed, L. P. Hillhouse	1.00
Milady's House Plants	1.00
Pruning Book, The, Bailey, L. H.	1.50
Rose, The—Its Cultivation, Ellwanger, H. B.	1.25
Small Fruit Culturist, Fuller, A. S.	1.50
Strawberry Culturist, Fuller A. S.	.40
Thomas' American Fruit Culturist	3.00
Tobacco Culture, by fourteen experienced cultivators	.25
Vegetable Gardening, by Prof. S. B. Green	1.25
Window Flower Garden, Henrich's	.50

At the prices above named, the books will be mailed, *postage paid*, on receipt of the money.

WIZARD Sheep Manure is a concentrated natural plant food and soil builder. Convenient — easy to use — and is good for everything that grows. It is carefully prepared by an extensive process of direct heat, drying, sterilizing and grinding. A safe and dependable fertilizer for finest landscape and garden use, and for all crops.

For Flowers — shrubs — vines — trees, etc. Nothing else will produce foliage and force blooming like WIZARD Sheep Manure. It's just what nature needs to make things grow. One pound for each ten square feet of surface well mixed into the soil before planting, and one to ten pounds dug in around vines, shrubs, trees, etc., is sufficient. Vary quantity depending on size and root development.

Price 10 lbs. 60 cts., 50 lbs. $1.75, 100 lbs. $3.25.

HUBAM CLOVER

Annual White Sweet

Have you become interested in that wonderful new legume Hubam?

Hubam grows under the widest variation of soil and climate and smiles at drought after it gets it's root growth.

Hubam adds nitrogen and humus to the soil, makes splendid summer pasture, is a rich hay crop, and a wonderful honey producing plant.

Grows from 3 to 7 feet high in 4 to 7 months after planting. It yields from 300 to 600 lbs. of seed per acre so it makes a profitable seed crop.

Last year seed sold at $10 per pound.

Hubam is the new fast growing annual clover about which so much has lately been published in the Agricultural Press. Many believe it of such great value to the farms of the country that is will revolutionize crop rotations.

Hubam was discovered by Prof. Hughes of Iowa Agrucultural Experiment Station. In 1916 there were only 22 plants. The seed has been carefully multiplied, but it will take years to grow enough seed to supply the demand.

With the thousands of small samples sent out to every state in the Union it has proven to succeed throughout the country.

Hubam clover may be grown either in cultivated rows, in solid seedings with or without a nurse crop. In cultivated rows 3 to 4 pounds should be used. To sow broadcast from 8 to 10 pounds is sown per acre.

Early planting is desirable, the small plants will withstand quite cold weather and will yield heavier crop compared with late seeding. March and April seeding is prefered.

Hubam should be planted on a perfectly firm seed bed with a surface mulch of loose soil. Never plant Hubam on a freshly plowed seed bed. It does best on soil that is fairly sweet or at least not strongly acid. It will stand a quite alkali soil: it loves the strong lime soils. Inoculation is necessary for best results with this clover to benefit the soils upon which is grows.

Hubam should be harvested when about one-half of the seed pods have turned brown and the first ripe seed is beginning to shatter.

You cannot be too particular about getting the genuine Hubam seed. Some irresponsible Seed Houses are trying to substitute the biennial Sweet Clover for this which is worth only one-tenth of the price of the Annual.

We are securing our supplies from a reliable grower who guarantees every pound of seed he sells and sends it out only in sealed bags and does not handle the biennial variety to safe guard against errors.

We offer high grade, scarified and guaranteed seed per pkt. 10 cts. oz. 25cts. 1/4 lb. 75 cts. 1 lb. $2.00, 5 lb. lots at $1.90, 10 lb. lots at $1.80 per lb. Price subject to change.